

CONTENT (POWER INDUCTOR)

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Ordering Code

■ Molding Inductors / Coating Inductors

S * * 2520 2R2 M P S A

PRODUCT CODE

- SPM : Molding Inductor
- SIM : Insert Cylinder Molding Inductor
- SAM : Molding Inductor(Auto Motive)
- AIM : Insert Cylinder Molding Inductor (Auto Motive)
- ACM : Double Molding Inductor(Auto Motive)
- SPS : Coating Inductor(Superior Electric Property)
- SPN : Coating Inductor(Normal)

DIMENSION (L X W) (mm)

Code	Dimension	Code	Dimension
2012	2.0 X 1.2	5050	5.0 X 5.0
2016	2.0 X 1.6	6060	6.0 X 6.0
2020	2.0 X 2.0	7070	7.0 X 7.0
2424	2.4 X 2.4	8080	8.0 X 8.0
2520	2.5 X 2.0	1010	10.0 X 10.0
3030	3.0 X 3.0	1313	13.9 X 12.8
4040	4.0 X 4.0	1717	17.0 X 17.0
		2222	22.0 X 22.0

INDUCTOR VAUEL

Code	R10	1R0	100	101	102
Impedance	0.1 uH	1.0 uH	10 uH	100 uH	1000 uH

TOLERANCE CODE

M : ±20% N : ±30%

PACKAGING CODE

- P : Embossed Reel (7")
- E : Embossed Reel (13")

SPECIFICATION CODE

- B : GHz Band
- C : High Loading Current for Isat =20%
- H : High Current with vertical mark
- K : Standard with vertical mark-2
- L : Light Loading Current
- P : High Loading Current for Isat =30%
- S : Standard
- T : Specific Spec.
- W : Standard + Variation Terminal

THICKNESS CODE (mm)

Code	Thick	Code	Thick	Code	Thick	Code	Thick
.	--	9	0.9	I	2.4	R	6.0
1	0.1	A	1.0	J	2.5	S	6.5
2	0.2	B	1.1	K	2.8	T	2.6
3	0.3	C	1.2	L	3.0	U	7.0
4	0.4	D	1.4	M	3.5	V	9.0
5	0.5	E	1.5	N	4.0	W	5.5
6	0.6	F	1.6	O	10.0	X	13
7	0.7	G	1.8	P	4.5	Y	8.0
8	0.8	H	2.0	Q	5.0	Z	3.2

Power Inductors

Multi-Layer Power Inductors

IP 2012 1R0 M P S 9

PRODUCT CODE

IP : Multilayer Power Inductor (Lead Free)

DIMENSION (L X W) (mm)

Code	Dimension	EIA
1608	1.6 x 0.80	0603
2012	2.0 X 1.25	0805
2016	2.0 X 1.60	0806
2520	2.5 X 2.00	1008

INDUCTANCE CODE

Code	R47	1R0	1R5	2R2	3R3	4R7
Inductance	0.47 uH	1.0 uH	1.5 uH	2.2 uH	3.3 uH	4.7 uH

TOLERANCE CODE

M : $\pm 20\%$

PACKAGING CODE

T : Paper tape reel

P : Plastic Tape

SPECIFICATION CODE

S : Standard for DC/DC converter

L : Light loading current for choke

C : High Current Type

THICKNESS CODE (mm)

6 : 0.65

8 : 0.8

9 : 0.9

Product Range

- Molding Inductors
- General

TCC	Series	Size (mm)	Thickness Max. (mm)	Inductance Range										
				0.1 uH	0.47 uH	1 uH	2.2 uH	4.7 uH	10 uH	22 uH	47 uH			
SPM Series Molding - General	SPM2012_K8	2.0*1.2	0.8		0.47 uH		2.2 uH							
	SPM2016_PA	2.0*1.6	1				2.2 uH							
	SPM2016_WA	2.0*1.6	1		0.47 uH		2.2 uH							
	SPM2520_PA	2.5*2.0	1				2.2 uH							
	SPM2520_KA	2.5*2.0	1					4.7 uH	10 uH					
	SPM2520_WA	2.5*2.0	1		0.22 uH			4.7 uH						
	SPM2520_HA	2.5*2.0	1		0.24 uH			3.3 uH						
	SPM2520_WC	2.5*2.0	1.2		0.47 uH			4.7 uH						
	SPM4040_KA	4.0*4.0	1					6.8 uH	10 uH					
	SPM4040_BA	4.0*4.0	1					2.2 uH	10 uH					
	SPM4040_SC	4.0*4.0	1.2		0.33 uH			4.7 uH						
	SPM4040_BC	4.0*4.0	1.2		0.15 uH			4.7 uH						
	SPM4040_SE	4.0*4.0	1.5				1 uH							
	SPM4040_SH	4.0*4.0	2		0.22 uH				10 uH					
	SPM4040_BH	4.0*4.0	2		0.1 uH				10 uH					
	SPM4040_SL	4.0*4.0	3					4.7 uH	10 uH					
	SPM5050_SE	5.0*5.0	1.5		0.22 uH				10 uH					
	SPM5050_BE	5.0*5.0	1.5		0.47 uH			4.7 uH						
	SPM5050_SG	5.0*5.0	1.8				1 uH		10 uH					
	SPM5050_BG	5.0*5.0	1.8		0.47 uH				10 uH					
	SPM5050_SH	5.0*5.0	2		0.22 uH				10 uH					
	SPM5050_SL	5.0*5.0	3				1 uH				22 uH			
	SPM5050_BL	5.0*5.0	3		0.1 uH				10 uH					
	SPM7070_KA	7.0*7.0	1					2.2 uH	10 uH					
	SPM7070_BA	7.0*7.0	1					4.7 uH	10 uH					
	SPM7070_SE	7.0*7.0	1.5		0.22 uH				10 uH					
	SPM7070_BE	7.0*7.0	1.5		0.47 uH				10 uH					
	SPM7070_SG	7.0*7.0	1.8		0.1 uH				10 uH					
	SPM7070_BG	7.0*7.0	1.8		0.1 uH						22 uH			
	SPM7070_SI	7.0*7.0	2.4		0.22 uH				10 uH					
	SPM7070_BI	7.0*7.0	2.4		0.22 uH						22 uH			
	SPM7070_SL	7.0*7.0	3		0.1 uH						47 uH			
	SPM7070_BL	7.0*7.0	3		0.1 uH						47 uH			
	SPM7070_CL	7.0*7.0	3		0.1 uH						47 uH			
	SPM7070_SN	7.0*7.0	4					6.8 uH		33 uH				
	SPM7070_BN	7.0*7.0	4		0.68 uH						47 uH			
	SPM7070_SQ	7.0*7.0	5		0.36 uH						68 uH			
	SPM7070_BQ	7.0*7.0	5		0.47 uH						47 uH			
	SPM8080_SN	8.0*8.0	4				1 uH		10 uH					
	SPM8080_BN	8.0*8.0	4		0.22 uH						47 uH			
SPM1010_SN	10.0*10.0	4					2.2 uH			68 uH				
SPM1010_TN	10.0*10.0	4		0.47 uH			1.5 uH							
SPM1010_BN	10.0*10.0	4		0.15 uH							100 uH			
SPM1010_SW	10.0*10.0	5.5						10 uH			100 uH			
SPM1313_SM	13.0*13.0	3.5				1 uH	2.2 uH							
SPM1313_SQ	13.0*13.0	5					2.2 uH			22 uH				
SPM1313_TQ	13.0*13.0	5		0.68 uH			1.5 uH							
SPM1313_BQ	13.0*13.0	5		0.22 uH						68 uH				
SPM1313_SR	13.0*13.0	6					2.2 uH					150 uH		
SPM1313_BR	13.0*13.0	6						4.7 uH				150 uH		
SPM1717_SU	17.0*17*0	7						10 uH	33 uH					
SPM1717_BU	17.0*17.0	7					1.5 uH				100 uH			
SPM2222_SX	22.0*22.0	13					4.7 uH		20 uH					
SPM2222_BX	22.0*22.0	13				1 uH					100 uH			

Power Inductors

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

● Industrial

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				0.1uH	1uH	10uH	100uH		
SIM Series Molding - Industrial	SIM1313_SN	13.0*13.0	4				22 uH	100 uH	
	SIM1313_SR	13.0*13.0	6				22 uH	100 uH	

■ Automotive Application

● General Molding

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				0.1uH	1uH	10uH	100uH		
SAM Series Molding Inductor (AutoMotive)	SAM4040_SC	4.0*4.0	1.2		0.33 uH		4.7 uH		
	SAM4040_LC	4.0*4.0	1.2		0.33 uH		4.7 uH		
	SAM4040_SH	4.0*4.0	2		0.22 uH		10 uH		
	SAM4040_LH	4.0*4.0	2		0.22 uH		10 uH		
	SAM5050_SE	5.0*5.0	1.5		0.22 uH		10 uH		
	SAM5050_LE	5.0*5.0	1.5		0.22 uH		10 uH		
	SAM5050_SG	5.0*5.0	1.8			1 uH	10 uH		
	SAM5050_LG	5.0*5.0	1.8			1 uH	10 uH		
	SAM5050_SH	5.0*5.0	2		0.22 uH		10 uH		
	SAM5050_LH	5.0*5.0	2		0.22 uH		10 uH		
	SAM5050_SL	5.0*5.0	3			1 uH		22 uH	
	SAM5050_LL	5.0*5.0	3			1 uH		22 uH	
	SAM5050_SN	5.0*5.0	4				4.7 uH	33 uH	
	SAM5050_L/TN	5.0*5.0	4				4.7 uH	33 uH	
	SAM7070_SE	7.0*7.0	1.5		0.22 uH		10 uH		
	SAM7070_LE	7.0*7.0	1.5		0.22 uH		10 uH		
	SAM7070_SG	7.0*7.0	1.8		0.1 uH		10 uH		
	SAM7070_LG	7.0*7.0	1.8		0.1 uH		10 uH		
	SAM7070_SL	7.0*7.0	3		0.1 uH			47 uH	
	SAM7070_LL	7.0*7.0	3		0.1 uH			47 uH	
	SAM7070_SN	7.0*7.0	4				6.8 uH	33 uH	
	SAM7070_LN	7.0*7.0	4				6.8 uH	33 uH	
	SAM7070_SQ	7.0*7.0	5		0.36 uH			68 uH	
	SAM7070_LQ	7.0*7.0	5		0.36 uH			68 uH	
	SAM8080_SW	8.0*8.0	5.5				2.2 uH		100 uH
	SAM8080_LW	8.0*8.0	5.5				2.2 uH		100 uH
	SAM1010_TN	10.0*10.0	4		0.47 uH		1.5 uH		
	SAM1010_SN	10.0*10.0	4				2.2 uH		100 uH
	SAM1010_LN	10.0*10.0	4		0.47 uH				100 uH
	SAM1010_SW	10.0*10.0	5.5				6.8 uH		100 uH
	SAM1010_LW	10.0*10.0	5.5				6.8 uH		100 uH
	SAM1313_TQ	13.0*13.0	5			0.68 uH	1.5 uH		
SAM1313_SQ	13.0*13.0	5				2.2 uH	22 uH		
SAM1313_SR	13.0*13.0	6				2.2 uH		150 uH	
SAM1313_LR	13.0*13.0	6				3.3 uH		150 uH	

● High Efficiency Molding

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				0.1uH	1uH	10uH	100uH		
AIM Series Molding - Insert Cylinder (Auto Motive)	AIM1313_SN	13.0*13.0	4				22 uH	100 uH	
	AIM1313_SR	13.0*13.0	6				22 uH	100 uH	

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● Double Molding

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				0.1uH	1uH	10uH	100uH		
ACM Series Double Molding (Auto Motive)	ACM7070_SR	7.0*7.0	6			4.7 uH	33 uH		
	ACM1010_SY	10.0*10.0	8			10 uH	47 uH		
	ACM1313_SS	13.0*13.0	6.5			10 uH	33 uH		
	ACM1313_SY	13.0*13.0	8			10 uH	15 uH		
	ACM1313_SV	13.0*13.0	9				22 uH	33 uH	
	ACM1313_SO	13.0*13.0	10				22 uH	33 uH	

■ Coating Inductor

● Metal Coating

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range				
				0.1uH	1uH	10uH	100uH	
SPS Series Coating Inductor	SPS2016_CA	2.0*1.6	1		0.47 uH	10 uH		
	SPS2520_CA	2.5*2.0	1		0.47 uH	10 uH		
	SPS2520_CC	2.5*2.0	1.2		0.47 uH	6.8 uH		
	SPS3030_CA	3.0*3.0	1		0.47 uH	10 uH		
	SPS3030_CC	3.0*3.0	1.2	0.33 uH		4.7 uH		
	SPS4040_CA	4.0*4.0	1		0.47 uH	10 uH		
	SPS4040_CC	4.0*4.0	1.2		0.47 uH	10 uH		
	SPS4040_CH	4.0*4.0	2.1		0.33 uH		22 uH	

● Normal

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range				
				0.1uH	1uH	10uH	100uH	
SPN Series Coating Inductor Normal	SPN2016_SA	2.0*1.6	1		0.47 uH	10 uH		
	SPN2520_SA	2.5*2.0	1		0.5 uH	10 uH		
	SPN2520_SC	2.5*2.0	1.2	0.24 uH		10 uH		
	SPN3030_S/CA	3.0*3.0	1.1	2.2 uH		10 uH		
	SPN3030_SC	3.0*3.0	1.3		1 uH		47 uH	
	SPN3030_SE	3.0*3.0	1.7		1 uH		47 uH	
	SPN4040_SC	4.0*4.0	1.2		1 uH		22 uH	
	SPN4040_SG	4.0*4.0	1.8		1 uH		22 uH	
	SPN4040_SL	4.0*4.0	3.1		0.68 uH		33 uH	
	SPN5050_SH	5.0*5.0	2.2		0.47 uH		22 uH	
	SPN5050_SN	5.0*5.0	4		1 uH			100 uH
	SPN6060_SC	6.0*6.0	1.2			6.8 uH 10 uH		
	SPN6060_SH	6.0*6.0	2		0.8 uH		22 uH	
	SPN6060_SK	6.0*6.0	2.8			2.2 uH		220 uH
	SPN6060_SP	6.0*6.0	4.5		1 uH		33 uH	
	SPN8080_SN	8.0*8.0	4.2		1 uH			100 uH

Power Inductors

■ Multi-Layer Inductor

● General

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range								
				0.1uH		1uH		10uH				
IP Series Ferrite	IP1608_S8	1.6*0.80	0.95				1 uH	2.2 uH				
	IP2012_S9	2.0*1.25	1			0.47 uH		4.7 uH				
	IP2012_L9	2.0*1.25	1					2.2 uH	4.7 uH			
	IP2016_S9	2.0*1.60	1			0.47 uH		4.7 uH				
	IP2520_S9	2.5*2.00	1			0.47 uH		4.7 uH				

■ Metal Multi-Layer Inductor

● General

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range								
				0.1uH		1uH		10uH				
IP Series Metal	IP1608_S8	1.6*0.80	0.65			0.47 uH	1 uH					
	IP2012_C8	2.0*1.25	0.8		0.11 uH	0.47 uH						

Molding Inductors (SPM / SIM Series)

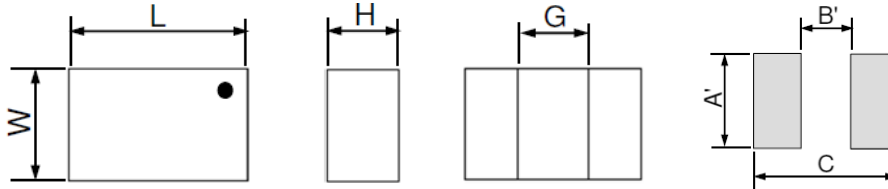
Feature

1. Magnetic shielded construction
2. Frequency range up to 3.0MHz
3. Higher rated current, capable handling at high current spikes

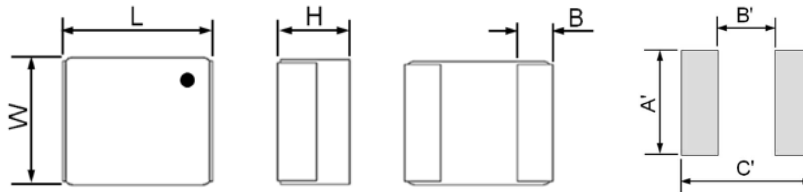
Application

1. Notebook / Desktop applications
2. VGA card applications
3. DC-DC Converter applications
4. Low profile, high current power supplies

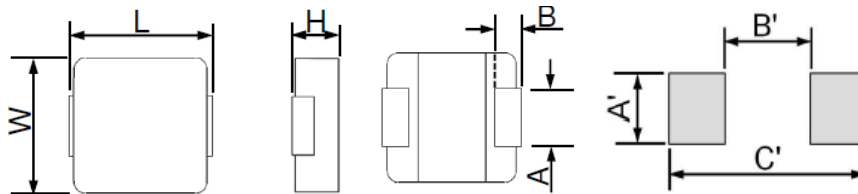
External Dimension



Series	L (mm)	W (mm)	H (mm)	G (Typ)	Recommended Land Patterns			Package	
					A' (mm)	B' (mm)	C' (mm)	Reel	Amount(pcs)
SPM2012□□□□PK8	2.0±0.2	1.2±0.2	0.8Max	0.6	1.3	0.5	2.1	7"	3,000
SPM2520□□□□PKA	2.5±0.2	2.0±0.2	1.0max	0.7	2.1	0.6	2.6	7"	3,000
SPM2520□□□□PHA*	2.5±0.2	2.0±0.2	0.8±0.2	0.7±0.3	2.1	0.6	2.6	7"	3,000



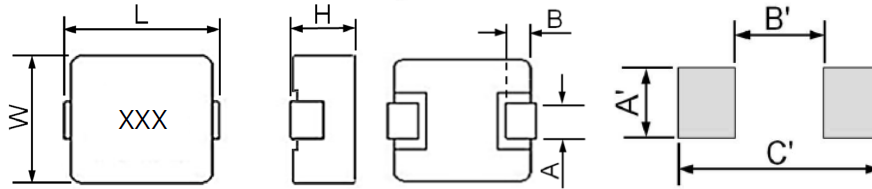
Series	L (mm)	W (mm)	H (mm)	B (mm)	Recommended Land Patterns			Package	
					A' (mm)	B' (mm)	C' (mm)	Reel	Amount(pcs)
SPM2016□□□□PPA	2.0±0.1	1.6±0.1	1.0max	0.5±0.2	1.6	0.7	2.0	7"	3,000
SPM2016□□□□PWA	2.0±0.2	1.6±0.2	1.0max	0.5±0.3	1.6	0.9	2.0	7"	3,000
SPM2520□□□□PPA	2.5±0.2	2.0±0.2	1.0max	0.6±0.2	2.0	1.2	2.8	7"	3,000
SPM2520□□□□PWA	2.5±0.2	2.0±0.2	1.0max	0.6±0.3	2.0	1.2	2.8	7"	3,000
SPM2520□□□□PWC	2.5±0.2	2.0±0.2	1.2max	0.6±0.3	2.0	1.2	2.8	7"	3,000



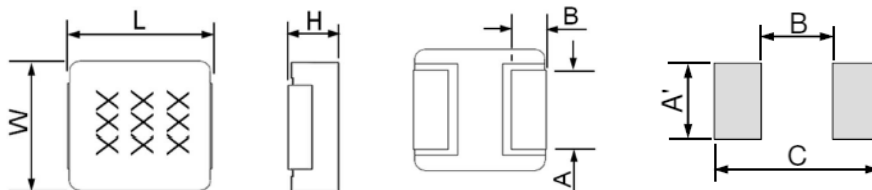
Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount(pcs)
SPM4040□□□□EKA	4.1±0.2	4.1±0.2	0.8±0.2	1.8±0.2	0.8±0.2	2.0	2.2	4.4	13"	3,000
SPM4040□□□□EBA	4.1±0.2	4.1±0.2	0.8±0.2	1.8±0.2	0.8±0.2	2.2	2.2	4.4	13"	5,000
SPM4040□□□□ESC	4.7±0.3	4.2±0.2	1.0±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	3,500
SPM4040□□□□ESE	4.7±0.3	4.2±0.2	1.3±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	3,500
SPM4040□□□□ESH	4.7±0.3	4.2±0.2	1.8±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	2,000
SPM4040□□□□ESL	4.7±0.3	4.2±0.2	2.8±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	2,000

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification



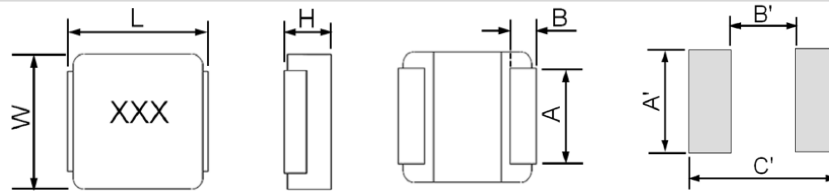
Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount(pcs)
SPM4040□□□□EBC	4.4±0.35	4.2±0.25	1.0±0.2	2.0±0.3	0.8±0.3	2.5	2.2	5.2	13"	3,500
SPM4040□□□□EBH	4.4±0.35	4.2±0.25	1.8±0.2	2.0±0.3	0.8±0.3	2.5	2.2	5.2	13"	3,000
SPM5050□□□□ESE	5.7±0.3	5.2±0.2	1.3±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SPM5050□□□□EBE	5.4±0.35	5.2±0.2	1.3±0.2	2.2±0.3	1.2±0.2	2.4	2.2	6.0	13"	3,000
SPM5050□□□□ESG	5.7±0.3	5.2±0.2	1.6±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SPM5050□□□□EBG	5.4±0.35	5.2±0.2	1.6±0.2	2.2±0.3	1.2±0.2	2.5	2.2	6.0	13"	2,000
SPM5050□□□□ESH	5.7±0.3	5.2±0.2	1.8±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SPM5050□□□□ESL	5.7±0.3	5.2±0.2	2.8±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	2,000
SPM5050□□□□EBL	5.4±0.35	5.2±0.2	2.8±0.2	2.2±0.3	1.2±0.2	2.5	2.2	6.0	13"	2,000
SPM7070□□□□ESE	7.0±0.3	6.6±0.2	1.3±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	2,000
SPM7070□□□□EBE	7.0±0.3	6.6±0.2	1.3±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	2,000
SPM7070□□□□ESG	7.2±0.3	6.6±0.2	1.6±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	2,000
SPM7070□□□□EBG	7.0±0.3	6.6±0.2	1.6±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	2,000
SPM7070□□□□ESI	7.2±0.3	6.6±0.2	2.2±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,500
SPM7070□□□□EBI	7.0±0.3	6.6±0.2	2.2±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	1,500
SPM7070□□□□E_L	7.3±0.3	6.6±0.3	2.8±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	1,500
SPM7070□□□□ESL	7.3±0.3	6.6±0.3	2.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,500
SPM7070□□□□ESL	7.2±0.3	6.6±0.2	2.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	2,000
SPM7070□□□□ESN	7.2±0.3	6.6±0.2	3.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,000
SPM7070□□□□EBN	7.0±0.3	6.6±0.2	3.8±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	1,000
SPM7070□□□□ESQ	7.2±0.3	6.6±0.2	4.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,000
SPM7070□□□□EBQ	7.0±0.3	6.6±0.2	4.8±0.2	3.0±0.3	1.6±0.3	3.5	3.7	8.4	13"	1,000
SPM8080□□□□ESN	8.65±0.25	8.0±0.2	3.8±0.2	5.1±0.3	1.6±0.3	5.4	4.8	9.6	13"	800
SPM8080□□□□EBN	8.8±0.4	8.2±0.3	3.8±0.2	5.0±0.3	1.4±0.3	5.5	4.0	9.5	13"	800
SPM1010□□□□E_N	11.2±0.3	10.0±0.2	3.8±0.2	3.0±0.5	2.0±0.5	4.0	5.5	13.5	13"	800
SPM1010□□□□EBN	11.5MAX	10.0±0.3	3.8±0.2	3.0±0.5	2.0±0.5	4.1	5.4	13.6	13"	500
SPM1010□□□□ESW	11.2±0.3	10.0±0.2	5.3±0.2	3.0±0.5	2.0±0.5	4.0	5.5	13.5	13"	500
SPM1313□□□□ESM	13.9±0.3	12.8±0.2	3.3±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
SPM1313□□□□E_Q	13.9±0.3	12.8±0.2	4.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
SPM1313□□□□EBQ	13.45±0.35	12.6±0.3	4.8±0.2	R22~2R2 3.85 ±0.5 3R3~680 5.0±0.3	2.0±0.5	5.5	8.0	14.5	13"	500
SPM1313□□□□ESR	13.9±0.3	12.8±0.2	5.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
SPM1313□□□□EBR	13.45±0.35	12.6±0.3	5.8±0.2	5.0±0.3	2.0±0.5	5.5	8.0	14.5	13"	500
SIM1313□□□□ESN	13.9±0.3	12.8±0.2	3.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
SIM1313□□□□ESR	13.9±0.3	12.8±0.2	5.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500



Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Recommended Land Patterns			Package	
						A' (mm)	B (mm)	C (mm)	Reel	Amount(pcs)
SPM7070□□□□EKA	6.1±0.3	6.1±0.3	0.8±0.2	4.0±0.3	1.75±0.3	4.5	2.8	7.5	13"	2,000
SPM7070□□□□EBA	6.1±0.3	6.1±0.3	0.8±0.2	4.0±0.3	1.75±0.3	4.5	2.8	7.5	13"	3,000

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification



Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount(pcs)
SPM1717□□□□ESU	17.15±0.35	17.0±0.15	6.8±0.2	12.0±0.5	2.6±0.7	12.8	11.2	18.2	13"	300
SPM1717□□□□EBU	17.15±0.35	17.15MAX	7.0MAX	12.0±0.3	2.5±0.5	12.8	11.2	18.2	13"	200
SPM2222□□□□ESX	22.5±0.5	22.0±0.5	13.0Max	18.5±0.5	5.0±0.5	18.8	11.5	23.3	13"	50
SPM2222□□□□EBX	23.5±0.5	22.0±0.3	12.6±0.4	19.0±0.3	5.0±0.4	19.6	12.5	24.0	13"	80

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification

■ Part Numbers & Characteristics (General Purpose)

● SPM2012

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width	Max.	Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM2012R47MPK8	2.00	1.20	0.80	0.47	uH	± 20%	26.0	30.0	3,900	3,700	4,800	4,300	1MHz/1V
SPM20121R0MPK8				1.00	uH	± 20%	45.0	55.0	3,500	3,200	3,800	3,300	1MHz/1V
SPM20122R2MPK8				2.20	uH	± 20%	90.0	110.0	1,800	1,600	2,100	1,900	1MHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM2016

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width	Max.	Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM20162R2MPPA	2.00	1.60	1.00	2.20	uH	± 20%	142.0	150.0	2,200	2,000	2,650	2,450	1MHz/1V
SPM2016R47MPWA	2.00	1.60	1.00	0.47	uH	± 20%	33.0	40.0	3,500	3,150	4,400	4,000	1MHz/1V
SPM20161R0MPWA				1.00	uH	± 20%	60.0	69.0	2,600	2,260	2,900	2,610	1MHz/1V
SPM20161R5MPWA				1.50	uH	± 20%	114.0	129.0	2,000	1,810	2,500	2,250	1MHz/1V
SPM20162R2MPWA				2.20	uH	± 20%	135.0	150.0	1,700	1,500	1,900	1,710	1MHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM2520

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition			
	Length	Width	Max.	Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.				
SPM25202R2MPPA	2.50	2.0	1.0	2.20	uH	±20%	89.0	102.0	2,400	2,200	3,400	3,000	1MHz/1V			
SPM25204R7MPKA	2.50	2.0	1.0	4.70	uH	±20%	200.0	240.0	1,600	1,400	2,150	1,950	1MHz/1V			
SPM2520100MPKA				10.0	uH	±20%	500.0	575.0	1,050	950	1,400	1,300	1MHz/1V			
SPM2520R22MPWA	2.50	2.00	1.00	0.22	uH	±20%	9.0	12.5	5,900	5,300	7,900	7,200	1MHz/1V			
SPM2520R33MPWA				0.33	uH	±20%	21.0	26.0	4,400	4,000	6,600	6,000	1MHz/1V			
SPM2520R47MPWA				0.47	uH	±20%	27.0	32.0	3,900	3,510	5,000	4,500	1MHz/1V			
SPM2520R68MPWA				0.68	uH	±20%	37.0	44.0	3,400	3,060	4,300	3,870	1MHz/1V			
SPM25201R0MPWA				1.00	uH	±20%	45.0	54.0	3,000	2,700	3,500	3,150	1MHz/1V			
SPM25201R5MPWA				1.50	uH	±20%	76.0	91.0	2,500	2,250	2,600	2,340	1MHz/1V			
SPM25202R2MPWA				2.20	uH	±20%	99.0	119.0	2,300	2,070	2,400	2,160	1MHz/1V			
SPM25204R7MPWA				4.70	uH	±20%	220.0	262.0	1,360	1,220	1,800	1,620	1MHz/1V			
SPM2520R24MPHA				2.50	2.00	1.00	0.24	uH	±20%	8.5	11.0	8,500	7,700	8,800	8,400	1MHz/1V
SPM2520R33MPHA							0.33	uH	±20%	13.0	16.0	7,500	7,000	8,500	8,000	1MHz/1V
SPM2520R47MPHA	0.47	uH	±20%				16.0	20.0	5,000	4,700	7,000	6,500	1MHz/1V			
SPM25201R0MPHA	1.00	uH	±20%				30.0	33.0	4,700	4,500	5,400	5,000	1MHz/1V			
SPM25201R5MPHA	1.50	uH	±20%				37.0	42.0	4,100	3,600	4,000	3,700	1MHz/1V			
SPM25202R2MPHA	2.20	uH	±20%				57.0	65.0	3,300	2,600	3,500	3,200	1MHz/1V			
SPM25203R3MPHA	3.30	uH	±20%				86.0	100.0	2,200	2,000	2,600	2,500	1MHz/1V			
SPM2520R47MPWC	2.50	2.00	1.2	0.47	uH	±20%	21.0	25.0	4,600	4,180	5,300	4,950	1MHz/1V			
SPM25201R0MPWC				1.00	uH	±20%	41.0	49.0	3,500	3,180	4,400	4,040	1MHz/1V			
SPM25201R5MPWC				1.50	uH	±20%	64.0	77.0	2,500	2,270	3,200	2,910	1MHz/1V			
SPM25202R2MPWC				2.20	uH	±20%	85.0	98.0	2,270	2,060	3,000	2,730	1MHz/1V			
SPM25204R7MPWC				4.70	uH	±20%	196.0	235.0	1,610	1,400	1,900	1,580	1MHz/1V			

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM4040

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width	Max	Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM40406R8MEKA	4.10	4.10	1.00	6.80	uH	±20%	210.0	255.0	1,750	1,600	2,100	1,700	100KHz/1V
SPM4040100MEKA				10.00	uH	±20%	280.0	336.0	1,750	1,500	1,850	1,650	100KHz/1V

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SPM40402R2MEBA	4.10	4.10	1.00	2.20	uH	±20%	85.0	100.0	3,400	3,000	4,300	3,500	100KHz/1V
SPM40404R7MEBA				4.70	uH	±20%	140.0	160.0	2,600	2,300	2,500	2,100	100KHz/1V
SPM40406R8MEBA				6.80	uH	±20%	210.0	255.0	2,000	1,800	2,200	1,850	100KHz/1V
SPM4040100MEBA				10.00	uH	±20%	280.0	336.0	1,500	1,300	1,800	1,600	100KHz/1V
SPM4040R33MESC	4.70	4.20	1.20	0.33	uH	±20%	14.0	16.5	--	6,500	--	9,000	100KHz/1V
SPM4040R47MESC				0.47	uH	±20%	19.0	21.0	--	6,000	--	6,800	100KHz/1V
SPM4040R68MESC				0.68	uH	±20%	32.0	36.0	--	4,500	--	6,000	100KHz/1V
SPM40401R0MESC				1.00	uH	±20%	43.0	47.0	--	4,200	--	5,200	100KHz/1V
SPM40401R5MESC				1.50	uH	±20%	68.0	75.0	--	3,250	--	4,000	100KHz/1V
SPM40402R2MESC				2.20	uH	±20%	79.4	83.5	--	2,750	--	3,500	100KHz/1V
SPM40403R3MESC				3.30	uH	±20%	120.0	138.0	--	2,300	--	3,000	100KHz/1V
SPM40404R7MESC				4.70	uH	±20%	175.0	195.0	--	1,800	--	2,800	100KHz/1V
SPM4040R15MEBC	4.40	4.20	1.20	0.15	uH	±20%	7.5	9.0	--	7,500	--	15,000	100KHz/1V
SPM4040R22MEBC				0.22	uH	±20%	9.0	11.0	--	7,000	--	11,000	100KHz/1V
SPM4040R33MEBC				0.33	uH	±20%	16.0	19.0	--	6,500	--	8,400	100KHz/1V
SPM4040R47MEBC				0.47	uH	±20%	19.0	21.0	--	6,000	--	6,800	100KHz/1V
SPM4040R68MEBC				0.68	uH	±20%	32.0	36.0	--	4,700	--	6,000	100KHz/1V
SPM40401R0MEBC				1.00	uH	±20%	43.0	47.0	--	4,500	--	5,500	100KHz/1V
SPM40401R5MEBC				1.50	uH	±20%	68.0	75.0	--	3,250	--	4,000	100KHz/1V
SPM40402R2MEBC				2.20	uH	±20%	79.4	83.5	--	2,750	--	3,000	100KHz/1V
SPM40404R7MEBC	4.70	uH	±20%	175.0	195.0	--	1,800	--	2,200	100KHz/1V			
SPM40401R0MESE	4.70	4.20	1.50	1.00	uH	±20%	31.0	38.0	6,000	4,300	8,900	6,700	100KHz/1V
SPM4040R22MESH	4.70	4.20	2.00	0.22	uH	±20%	6.0	6.6	--	9,000	--	12,500	100KHz/1V
SPM4040R47MESH				0.47	uH	±20%	12.5	14.0	--	7,000	--	9,500	100KHz/1V
SPM4040R68MESH				0.68	uH	±20%	19.4	21.0	--	5,200	--	8,000	100KHz/1V
SPM40401R0MESH				1.00	uH	±20%	24.0	27.0	--	4,500	--	7,000	100KHz/1V
SPM40401R5MESH				1.50	uH	±20%	38.0	46.0	--	4,000	--	6,000	100KHz/1V
SPM40402R2MESH				2.20	uH	±20%	52.0	58.0	--	3,000	--	5,000	100KHz/1V
SPM40403R3MESH				3.30	uH	±20%	74.0	87.0	--	2,500	--	4,000	100KHz/1V
SPM40404R7MESH				4.70	uH	±20%	92.0	105.0	--	2,200	--	3,000	100KHz/1V
SPM40406R8MESH				6.80	uH	±20%	162.0	178.0	--	2,000	--	2,100	100KHz/1V
SPM4040100MESH				10.00	uH	±20%	256.0	282.0	--	1,600	--	1,800	100KHz/1V
SPM4040R10MEBH	4.40	4.20	2.00	0.10	uH	±20%	3.4	4.0	--	13,000	--	22,000	100KHz/1V
SPM4040R22MEBH				0.22	uH	±20%	6.0	6.6	--	9,500	--	12,500	100KHz/1V
SPM4040R33MEBH				0.33	uH	±20%	9.8	11.0	--	10,000	--	12,000	100KHz/1V
SPM4040R47MEBH				0.47	uH	±20%	12.5	14.0	--	7,500	--	9,500	100KHz/1V
SPM4040R56MEBH				0.56	uH	±20%	14.0	16.0	--	7,000	--	9,000	100KHz/1V
SPM4040R68MEBH				0.68	uH	±20%	16.5	18.0	--	7,000	--	8,000	100KHz/1V
SPM40401R0MEBH				1.00	uH	±20%	24.0	27.0	--	6,000	--	7,000	100KHz/1V
SPM40401R2MEBH				1.20	uH	±20%	22.0	27.0	--	6,000	--	6,500	100KHz/1V
SPM40401R5MEBH				1.50	uH	±20%	38.0	46.0	--	5,000	--	5,500	100KHz/1V
SPM40402R2MEBH				2.20	uH	±20%	52.0	58.0	--	4,500	--	5,000	100KHz/1V
SPM40403R3MEBH				3.30	uH	±20%	74.0	87.0	--	3,300	--	3,500	100KHz/1V
SPM40404R7MEBH				4.70	uH	±20%	92.0	105.0	--	2,800	--	3,000	100KHz/1V
SPM40406R8MEBH				6.80	uH	±20%	160.0	175.0	--	2,400	--	2,500	100KHz/1V
SPM4040100MEBH				10.00	uH	±20%	256.0	282.0	--	1,600	--	2,000	100KHz/1V
SPM40404R7MESL	4.70	4.20	3.00	4.70	uH	±20%	53.5	61.5	--	3,500	--	4,000	100KHz/1V
SPM4040100MESL				10.00	uH	±20%	145.0	160.0	--	2,500	--	2,800	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM5050

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SPM5050R22NESE	5.70	5.20	1.50	0.22	uH	±30%	5.8	7.0	--	10,000	--	17,000	100KHz/1V
SPM50501R0MESE				1.00	uH	±20%	20.0	23.0	--	6,500	--	9,000	100KHz/1V

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DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM50501R5MESE	5.70	5.20	1.50	1.50	uH	±20%	46.0	53.0	--	4,200	--	7,000	100KHz/1V
SPM50502R2MESE				2.20	uH	±20%	58.0	64.0	--	3,300	--	6,000	100KHz/1V
SPM50503R3MESE				3.30	uH	±20%	70.0	80.0	--	3,200	--	4,500	100KHz/1V
SPM50504R7MESE				4.70	uH	±20%	103.0	115.0	--	3,000	--	4,000	100KHz/1V
SPM50506R8MESE				6.80	uH	±20%	167.0	180.0	--	2,500	--	3,200	100KHz/1V
SPM5050100MESE				10.00	uH	±20%	220.0	246.0	--	2,000	--	3,000	100KHz/1V
SPM5050R47MEBE	5.40	5.20	1.50	0.47	uH	±20%	11.5	13.0	9,500	8,700	13,000	12,000	100KHz/1V
SPM5050R68MEBE				0.68	uH	±20%	13.4	15.5	9,000	8,100	11,200	9,500	100KHz/1V
SPM50501R0MEBE				1.00	uH	±20%	20.0	23.0	6,500	5,800	9,500	8,000	100KHz/1V
SPM50503R3MEBE				3.30	uH	±20%	63.0	72.0	3,300	3,000	4,500	4,000	100KHz/1V
SPM50504R7MEBE				4.70	uH	±20%	92.0	106.0	3,000	2,600	4,200	3,700	100KHz/1V
SPM50501R0MESG	5.70	5.20	1.80	1.00	uH	±20%	15.0	17.0	--	8,000	--	9,500	100KHz/1V
SPM50502R2MESG				2.20	uH	±20%	31.0	35.0	--	5,000	--	6,500	100KHz/1V
SPM50504R7MESG				4.70	uH	±20%	78.0	85.0	--	3,500	--	4,000	100KHz/1V
SPM50506R8MESG				6.80	uH	±20%	107.0	120.0	--	2,800	--	3,400	100KHz/1V
SPM5050100MESG	10.00	uH	±20%	140.0	155.0	--	2,500	--	3,000	100KHz/1V			
SPM5050R47MEBG	5.40	5.20	1.80	0.47	uH	±20%	7.5	9.0	--	10,500	--	15,500	100KHz/1V
SPM5050R56MEBG				0.56	uH	±20%	8.5	10.0	--	9,500	--	15,000	100KHz/1V
SPM5050R68MEBG				0.68	uH	±20%	12.0	13.8	--	8,900	--	11,200	100KHz/1V
SPM50501R0MEBG				1.00	uH	±20%	15.0	17.0	--	8,000	--	9,000	100KHz/1V
SPM50501R5MEBG				1.50	uH	±20%	23.0	26.0	--	7,500	--	8,000	100KHz/1V
SPM50502R2MEBG				2.20	uH	±20%	31.0	35.0	--	5,000	--	6,500	100KHz/1V
SPM50503R3MEBG				3.30	uH	±20%	51.0	58.0	--	4,500	--	5,000	100KHz/1V
SPM50504R7MEBG				4.70	uH	±20%	78.0	85.0	--	3,500	--	4,000	100KHz/1V
SPM50506R8MEBG				6.80	uH	±20%	107.0	120.0	--	2,800	--	3,400	100KHz/1V
SPM5050100MEBG				10.00	uH	±20%	140.0	155.0	--	2,500	--	3,000	100KHz/1V
SPM5050R22MESH	5.70	5.20	2.00	0.22	uH	±20%	4.1	4.5	--	12,000	--	20,000	100KHz/1V
SPM5050R24MESH				0.24	uH	±20%	5.0	5.8	--	11,700	--	18,500	100KHz/1V
SPM5050R33MESH				0.33	uH	±20%	5.5	5.9	--	11,500	--	16,000	100KHz/1V
SPM5050R47MESH				0.47	uH	±20%	8.0	10.0	--	10,500	--	15,500	100KHz/1V
SPM5050R56MESH				0.56	uH	±20%	8.2	10.0	--	10,000	--	13,000	100KHz/1V
SPM5050R68MESH				0.68	uH	±20%	10.5	13.0	--	9,500	--	12,000	100KHz/1V
SPM50501R0MESH				1.00	uH	±20%	15.0	17.0	--	8,000	--	9,500	100KHz/1V
SPM50501R2MESH				1.20	uH	±20%	19.5	22.5	--	7,000	--	9,000	100KHz/1V
SPM50501R5MESH				1.50	uH	±20%	24.2	27.5	--	6,000	--	8,500	100KHz/1V
SPM50502R2MESH				2.20	uH	±20%	30.0	35.0	--	5,000	--	6,500	100KHz/1V
SPM50503R3MESH				3.30	uH	±20%	49.0	55.0	--	4,500	--	5,500	100KHz/1V
SPM50504R7MESH				4.70	uH	±20%	75.3	81.3	--	3,500	--	4,500	100KHz/1V
SPM50505R6MESH				5.60	uH	±20%	85.2	92.0	--	3,000	--	4,000	100KHz/1V
SPM50506R8MESH				6.80	uH	±20%	107.0	120.0	--	2,800	--	3,600	100KHz/1V
SPM5050100MESH	10.00	uH	±20%	140.0	155.0	--	2,400	--	3,400	100KHz/1V			
SPM50501R0MESL	5.70	5.20	3.00	1.00	uH	±20%	13.0	14.0	--	7,000	--	11,000	100KHz/1V
SPM50501R5MESL				1.50	uH	±20%	18.0	25.0	--	6,200	--	9,500	100KHz/1V
SPM50502R2MESL				2.20	uH	±20%	29.0	35.0	--	5,500	--	9,000	100KHz/1V
SPM50503R3MESL				3.30	uH	±20%	32.0	38.0	--	5,000	--	7,000	100KHz/1V
SPM50504R7MESL				4.70	uH	±20%	50.0	60.0	--	4,400	--	6,000	100KHz/1V
SPM50506R8MESL				6.80	uH	±20%	75.0	88.5	--	3,400	--	3,800	100KHz/1V
SPM5050100MESL				10.00	uH	±20%	95.0	114.0	--	2,500	--	3,500	100KHz/1V
SPM5050220MESL				22.00	uH	±20%	230.0	275.0	--	2,300	--	2,100	100KHz/1V
SPM5050R10MEBL	5.40	5.20	3.00	0.10	uH	±20%	2.5	3.0	--	25,000	--	30,000	100KHz/1V
SPM5050R20MEBL				0.20	uH	±20%	3.2	3.9	--	14,000	--	20,000	100KHz/1V
SPM5050R33MEBL				0.33	uH	±20%	4.6	5.5	--	14,000	--	18,000	100KHz/1V
SPM5050R47MEBL				0.47	uH	±20%	7.0	8.5	--	11,000	--	15,000	100KHz/1V
SPM5050R68MEBL				0.68	uH	±20%	10.0	12.0	--	9,000	--	11,500	100KHz/1V
SPM50501R0MEBL				1.00	uH	±20%	11.0	14.0	--	8,500	--	10,000	100KHz/1V
SPM50501R2MEBL				1.20	uH	±20%	13.0	16.0	--	8,500	--	9,500	100KHz/1V
SPM50501R5MEBL	1.50	uH	±20%	18.0	25.0	--	8,200	--	9,000	100KHz/1V			

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DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM50502R2MEBL	5.40	5.20	3.00	2.20	uH	±20%	24.0	29.0	--	7,000	--	7,000	100KHz/1V
SPM50503R3MEBL				3.30	uH	±20%	32.0	38.0	--	5,500	--	6,000	100KHz/1V
SPM50504R7MEBL				4.70	uH	±20%	50.0	60.0	--	4,500	--	4,600	100KHz/1V
SPM50506R8MEBL				6.80	uH	±20%	75.0	90.0	--	3,500	--	3,600	100KHz/1V
SPM5050100MEBL				10.00	uH	±20%	105.0	125.0	--	3,200	--	3,500	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM7070

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition			
	Length	Width		Value	Unit		Max.	Max.	Typ.	Max.	Typ.	Max.				
SPM70702R2MEKA	6.10	6.10	1.00	2.20	uH	±20%	85.0	102.0	3,200	2,800	4,800	4,300	100KHz/1V			
SPM70704R7MEKA				4.70	uH	±20%	144.0	172.0	2,200	2,000	2,800	2,500	100KHz/1V			
SPM70706R8MEKA				6.80	uH	±20%	164.0	197.0	2,000	1,800	2,500	2,200	100KHz/1V			
SPM7070100MEKA				10.00	uH	±20%	220.0	264.0	1,650	1,550	2,800	2,300	100KHz/1V			
SPM70704R7MEBA	6.10	6.10	1.00	4.70	uH	±20%	144.0	172.0	2,200	2,000	2,800	2,500	100KHz/1V			
SPM70706R8MEBA				6.80	uH	±20%	164.0	197.0	2,000	1,800	2,500	2,200	100KHz/1V			
SPM7070100MEBA				10.00	uH	±20%	270.0	310.0	1,600	1,400	2,100	1,900	100KHz/1V			
SPM7070R22MESE	7.00	6.60	1.50	0.22	uH	±20%	5.1	5.8	--	11,000	--	22,000	100KHz/1V			
SPM7070R33MESE				0.33	uH	±20%	6.8	7.8	--	10,000	--	19,500	100KHz/1V			
SPM7070R47MESE				0.47	uH	±20%	8.5	9.8	--	9,500	--	16,000	100KHz/1V			
SPM7070R56MESE				0.56	uH	±20%	9.5	11.0	--	9,000	--	14,000	100KHz/1V			
SPM7070R68MESE				0.68	uH	±20%	12.5	14.5	--	8,000	--	12,000	100KHz/1V			
SPM7070R82MESE				0.82	uH	±20%	15.0	17.0	--	7,000	--	10,000	100KHz/1V			
SPM70701R0MESE				1.00	uH	±20%	18.5	21.0	--	5,500	--	9,000	100KHz/1V			
SPM70701R2MESE				1.20	uH	±20%	21.0	30.0	--	5,400	--	8,500	100KHz/1V			
SPM70701R5MESE				1.50	uH	±20%	37.0	42.5	--	5,000	--	7,000	100KHz/1V			
SPM70702R2MESE				2.20	uH	±20%	41.0	50.0	--	4,900	--	6,100	100KHz/1V			
SPM70703R3MESE				3.30	uH	±20%	54.0	63.0	--	3,300	--	5,500	100KHz/1V			
SPM70704R7MESE				4.70	uH	±20%	76.0	85.0	--	3,000	--	5,000	100KHz/1V			
SPM70706R8MESE				6.80	uH	±20%	125.0	135.0	--	2,500	--	4,000	100KHz/1V			
SPM7070100MESE				10.00	uH	±20%	165.0	175.0	--	2,000	--	3,000	100KHz/1V			
SPM7070R47MEBE				7.00	6.60	1.50	0.47	uH	± 20%	7.3	8.5	--	10,000	--	16,000	100KHz/1V
SPM7070R56MEBE							0.56	uH	± 20%	9.5	11.0	--	9,000	--	14,000	100KHz/1V
SPM7070R68MEBE	0.68	uH	± 20%				10.0	12.0	--	8,500	--	12,000	100KHz/1V			
SPM7070R82MEBE	0.82	uH	± 20%				15.0	17.0	--	8,000	--	10,000	100KHz/1V			
SPM70701R0MEBE	1.00	uH	± 20%				18.5	21.0	--	6,000	--	9,000	100KHz/1V			
SPM70702R2MEBE	2.20	uH	± 20%				43.0	54.0	--	3,800	--	7,000	100KHz/1V			
SPM70703R3MEBE	3.30	uH	± 20%				54.0	63.0	--	3,500	--	5,500	100KHz/1V			
SPM70704R7MEBE	4.70	uH	± 20%				76.0	85.0	--	3,200	--	5,000	100KHz/1V			
SPM70706R8MEBE	6.80	uH	± 20%				125.0	135.0	--	2,500	--	4,000	100KHz/1V			
SPM7070100MEBE	10.00	uH	± 20%				165.0	175.0	--	2,000	--	3,000	100KHz/1V			
SPM7070R10MESG	7.20	6.60	1.80	0.10	uH	±20%	1.9	2.3	--	18,000	--	30,000	100KHz/1V			
SPM7070R22MESG				0.22	uH	±20%	4.5	5.2	--	14,000	--	29,000	100KHz/1V			
SPM7070R33MESG				0.33	uH	±20%	5.2	6.8	--	12,000	--	22,000	100KHz/1V			
SPM7070R47MESG				0.47	uH	±20%	7.3	8.4	--	11,000	--	17,000	100KHz/1V			
SPM7070R68MESG				0.68	uH	±20%	10.8	12.7	--	9,000	--	16,000	100KHz/1V			
SPM7070R82MESG				0.82	uH	±20%	13.4	15.9	--	8,000	--	14,000	100KHz/1V			
SPM70701R0MESG				1.00	uH	±20%	14.5	17.0	--	7,000	--	12,000	100KHz/1V			
SPM70701R5MESG				1.50	uH	±20%	20.0	26.0	--	6,000	--	10,000	100KHz/1V			
SPM70702R2MESG				2.20	uH	±20%	31.0	35.0	--	5,000	--	8,000	100KHz/1V			
SPM70703R3MESG				3.30	uH	±20%	56.0	60.0	--	3,500	--	7,000	100KHz/1V			
SPM70704R7MESG				4.70	uH	±20%	60.0	75.0	--	3,500	--	5,500	100KHz/1V			
SPM70706R8MESG				6.80	uH	±20%	101.0	110.0	--	2,800	--	4,500	100KHz/1V			
SPM70708R2MESG				8.20	uH	±20%	124.0	142.0	--	2,500	--	4,000	100KHz/1V			
SPM7070100MESG				10.00	uH	±20%	155.0	166.0	--	2,000	--	3,000	100KHz/1V			

Power Inductors

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DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition			
	Length	Width		Value	Unit		Max.	Max.	Typ.	Max.	Typ.	Max.				
SPM7070R10MEBG	7.00	6.60	1.80	0.10	uH	± 20%	1.9	2.3	--	25,000	--	38,000	100KHz/1V			
SPM7070R22MEBG				0.22	uH	± 20%	3.0	3.5	--	22,000	--	24,000	100KHz/1V			
SPM7070R47MEBG				0.47	uH	± 20%	7.3	8.4	--	11,500	--	18,000	100KHz/1V			
SPM7070R68MEBG				0.68	uH	± 20%	10.0	12.0	--	9,500	--	16,500	100KHz/1V			
SPM70701R0MEBG				1.00	uH	± 20%	13.6	16.0	--	8,500	--	12,000	100KHz/1V			
SPM70701R5MEBG				1.50	uH	± 20%	20.0	26.0	--	8,000	--	9,200	100KHz/1V			
SPM70702R2MEBG				2.20	uH	± 20%	31.0	35.0	--	7,000	--	8,000	100KHz/1V			
SPM70703R3MEBG				3.30	uH	± 20%	47.0	50.0	--	4,500	--	6,000	100KHz/1V			
SPM70704R7MEBG				4.70	uH	± 20%	50.0	62.0	--	4,000	--	5,000	100KHz/1V			
SPM70706R8MEBG				6.80	uH	± 20%	101.0	110.0	--	3,000	--	4,500	100KHz/1V			
SPM7070100MEBG				10.00	uH	± 20%	145.0	155.0	--	2,300	--	4,000	100KHz/1V			
SPM7070220MEBG				22.00	uH	± 20%	325.0	350.0	--	1,800	--	2,300	100KHz/1V			
SPM7070R22MESI	7.20	6.60	2.40	0.22	uH	± 20%	2.5	3.0	--	21,000	--	34,000	100KHz/1V			
SPM70703R3MESI				3.30	uH	± 20%	31.0	39.0	--	5,500	--	8,000	100KHz/1V			
SPM70706R8MESI				6.80	uH	± 20%	57.0	70.0	--	4,000	--	6,000	100KHz/1V			
SPM7070100MESI				10.00	uH	± 20%	92.0	101.0	--	3,100	--	4,000	100KHz/1V			
SPM7070R22MEBI	7.00	6.60	2.40	0.22	uH	± 20%	2.5	3.0	--	21,000	--	34,000	100KHz/1V			
SPM7070R33MEBI				0.33	uH	± 20%	3.4	4.1	--	18,000	--	24,500	100KHz/1V			
SPM7070R47MEBI				0.47	uH	± 20%	4.2	5.1	--	15,000	--	22,000	100KHz/1V			
SPM7070R56MEBI				0.56	uH	± 20%	5.4	6.5	--	13,000	--	17,000	100KHz/1V			
SPM7070R68MEBI				0.68	uH	± 20%	5.8	7.0	--	12,000	--	16,000	100KHz/1V			
SPM70701R0MEBI				1.00	uH	± 20%	11.2	13.5	--	9,000	--	15,000	100KHz/1V			
SPM70701R5MEBI				1.50	uH	± 20%	16.5	20.0	--	8,200	--	13,500	100KHz/1V			
SPM70702R2MEBI				2.20	uH	± 20%	22.0	28.0	--	7,000	--	10,000	100KHz/1V			
SPM70703R3MEBI				3.30	uH	± 20%	31.0	39.0	--	5,500	--	8,000	100KHz/1V			
SPM70704R7MEBI				4.70	uH	± 20%	40.0	50.0	--	5,000	--	6,500	100KHz/1V			
SPM70706R8MEBI				6.80	uH	± 20%	57.0	70.0	--	4,000	--	6,000	100KHz/1V			
SPM7070100MEBI				10.00	uH	± 20%	92.0	101.0	--	3,100	--	4,000	100KHz/1V			
SPM7070150MEBI				15.00	uH	± 20%	140.0	160.0	--	2,500	--	3,300	100KHz/1V			
SPM7070220MEBI				22.00	uH	± 20%	210.0	230.0	--	2,000	--	2,500	100KHz/1V			
SPM7070R10NECL				7.30	6.60	3.00	0.10	uH	±30%	1.3	1.7	--	32,500	--	60,000	100KHz/1V
SPM7070R15NECL							0.15	uH	±20%	1.5	1.9	--	27,000	--	45,000	100KHz/1V
SPM7070R22NECL	0.22	uH	±20%				2.1	2.8	--	23,000	--	40,000	100KHz/1V			
SPM7070R33NECL	0.33	uH	±20%				3.0	3.9	--	20,000	--	32,000	100KHz/1V			
SPM7070R47NECL	0.47	uH	±20%				3.2	4.2	--	17,500	--	26,000	100KHz/1V			
SPM7070R56NECL	0.56	uH	±20%				3.8	5.0	--	16,500	--	36,500	100KHz/1V			
SPM7070R68NECL	0.68	uH	±20%				4.2	5.5	--	15,500	--	25,000	100KHz/1V			
SPM7070R82NECL	0.82	uH	±20%				6.4	8.0	--	13,000	--	24,000	100KHz/1V			
SPM70701R0NECL	1.00	uH	±20%				8.5	10.0	--	11,000	--	22,000	100KHz/1V			
SPM70701R5NECL	1.50	uH	±20%				12.0	15.0	--	9,000	--	18,000	100KHz/1V			
SPM70702R2NECL	2.20	uH	±20%				16.0	20.0	--	8,000	--	14,000	100KHz/1V			
SPM70703R3NECL	3.30	uH	±20%				22.0	30.0	--	6,000	--	13,500	100KHz/1V			
SPM70704R7NECL	4.70	uH	±20%				31.0	40.0	--	5,500	--	10,000	100KHz/1V			
SPM70705R6NECL	5.60	uH	±20%				40.0	48.0	--	5,000	--	9,000	100KHz/1V			
SPM70706R8NECL	6.80	uH	±20%				50.0	60.0	--	4,500	--	8,000	100KHz/1V			
SPM70708R2NECL	8.20	uH	±20%				56.0	68.0	--	4,000	--	7,500	100KHz/1V			
SPM7070100NECL	10.00	uH	±20%				71.0	85.0	--	3,500	--	6,000	100KHz/1V			
SPM7070150NECL	15.00	uH	±20%				102.0	123.0	--	3,000	--	4,000	100KHz/1V			
SPM7070220NECL	22.00	uH	±20%				160.0	190.0	--	2,000	--	3,500	100KHz/1V			
SPM7070330NECL	33.00	uH	±20%				210.0	240.0	--	2,000	--	2,500	100KHz/1V			
SPM7070470NECL	47.00	uH	±20%	320.0	363.0	--	1,750	--	2,000	100KHz/1V						
SPM7070R10NESL	7.20	6.60	3.00	0.10	uH	±30%	1.5	1.7	--	32,500	--	60,000	100KHz/1V			
SPM7070R15NESL				0.15	uH	±30%	1.5	1.8	--	24,000	--	41,000	100KHz/1V			
SPM7070R22MESL				0.22	uH	±20%	2.5	2.8	--	23,000	--	34,000	100KHz/1V			
SPM7070R33MESL				0.33	uH	±20%	3.0	3.5	--	21,000	--	25,000	100KHz/1V			
SPM7070R47MESL				0.47	uH	±20%	3.5	4.1	--	18,000	--	20,000	100KHz/1V			
SPM7070R56MESL				0.56	uH	±20%	3.9	4.5	--	16,500	--	18,000	100KHz/1V			

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current Idc (mA)		Saturation Current Isat (mA)		Measuring Condition
	Length	Width		Value	Unit		Max.	Max.	Typ.	Max.	Typ.	Max.	
SPM7070R68MESL	7.20	6.60	3.00	0.68	uH	±20%	4.5	5.0	--	16,000	--	17,000	100KHz/1V
SPM7070R82MESL				0.82	uH	±20%	7.0	7.5	--	14,000	--	16,000	100KHz/1V
SPM70701R0MESL				1.00	uH	±20%	8.5	9.0	--	12,000	--	15,000	100KHz/1V
SPM70701R5MESL				1.50	uH	±20%	10.6	12.1	--	10,000	--	13,000	100KHz/1V
SPM70702R2MESL				2.20	uH	±20%	15.5	18.0	--	8,000	--	10,000	100KHz/1V
SPM70703R3MESL				3.30	uH	±20%	25.0	28.0	--	6,500	--	9,000	100KHz/1V
SPM70704R7MESL				4.70	uH	±20%	32.5	35.0	--	5,500	--	6,500	100KHz/1V
SPM70705R6MESL				5.60	uH	±20%	36.0	42.0	--	5,000	--	6,250	100KHz/1V
SPM70706R8MESL				6.80	uH	±20%	43.9	50.0	--	4,500	--	6,000	100KHz/1V
SPM70708R2MESL				8.20	uH	±20%	54.0	60.0	--	4,500	--	6,000	100KHz/1V
SPM7070100MESL				10.00	uH	±20%	62.0	68.0	--	4,000	--	5,500	100KHz/1V
SPM7070150MESL				15.00	uH	±20%	105.0	125.0	--	3,000	--	4,000	100KHz/1V
SPM7070220MESL				22.00	uH	±20%	144.0	160.0	--	2,500	--	3,000	100KHz/1V
SPM7070330MESL				33.00	uH	±20%	230.0	255.0	--	2,000	--	3,300	100KHz/1V
SPM7070470MESL				47.00	uH	±20%	285.0	320.0	--	1,750	--	2,450	100KHz/1V
SPM7070R10MEBL	7.00	6.60	3.00	0.10	uH	± 20%	0.9	1.0	40,000	35,000	60,000	48,000	100KHz/1V
SPM7070R15MEBL				0.15	uH	± 20%	2.0	2.4	30,000	25,000	41,000	35,000	100KHz/1V
SPM7070R22MEBL				0.22	uH	± 20%	2.5	3.0	24,000	21,000	34,000	32,000	100KHz/1V
SPM7070R33MEBL				0.33	uH	± 20%	3.0	3.5	21,000	20,000	25,000	22,000	100KHz/1V
SPM7070R47MEBL				0.47	uH	± 20%	3.5	4.1	18,000	16,000	20,000	18,000	100KHz/1V
SPM7070R56MEBL				0.56	uH	± 20%	3.9	4.5	16,500	15,000	18,000	16,000	100KHz/1V
SPM7070R68MEBL				0.68	uH	± 20%	4.7	5.3	16,000	14,500	17,000	15,000	100KHz/1V
SPM7070R82MEBL				0.82	uH	± 20%	5.6	6.0	14,000	13,000	16,000	14,000	100KHz/1V
SPM70701R0MEBL				1.00	uH	± 20%	6.9	7.4	12,000	11,200	15,000	13,500	100KHz/1V
SPM70701R5MEBL				1.50	uH	± 20%	10.6	12.1	12,000	9,500	14,000	12,000	100KHz/1V
SPM70702R2MEBL				2.20	uH	± 20%	12.5	15.0	9,500	8,500	12,000	10,500	100KHz/1V
SPM70702R7MEBL				2.70	uH	± 20%	17.2	20.0	8,800	8,200	10,000	9,000	100KHz/1V
SPM70703R3MEBL				3.30	uH	± 20%	19.6	22.0	8,500	8,000	9,500	8,700	100KHz/1V
SPM70704R7MEBL				4.70	uH	± 20%	29.2	33.0	6,000	5,500	9,000	7,500	100KHz/1V
SPM70705R6MEBL				5.60	uH	± 20%	36.0	42.0	5,500	5,000	6,500	5,500	100KHz/1V
SPM70706R8MEBL				6.80	uH	± 20%	42.0	48.0	5,000	4,500	6,000	5,200	100KHz/1V
SPM70708R2MEBL				8.20	uH	± 20%	54.0	60.0	5,000	4,000	5,500	5,000	100KHz/1V
SPM7070100MEBL				10.00	uH	± 20%	62.0	68.0	4,500	3,800	5,500	4,900	100KHz/1V
SPM7070150MEBL				15.00	uH	± 20%	95.0	113.0	3,000	2,600	4,000	3,500	100KHz/1V
SPM7070220MEBL				22.00	uH	± 20%	150.0	170.0	2,500	2,200	3,000	2,500	100KHz/1V
SPM7070330MEBL	33.00	uH	± 20%	245.0	270.0	2,000	1,800	2,500	2,100	100KHz/1V			
SPM7070470MEBL	47.00	uH	± 20%	350.0	385.0	1,500	1,300	2,000	1,800	100KHz/1V			
SPM70706R8MESN	7.20	6.60	4.00	6.80	uH	±20%	38.0	46.0	--	4,700	--	7,500	100KHz/1V
SPM7070330MESN				33.00	uH	±20%	190.0	228.0	--	2,500	--	3,000	100KHz/1V
SPM7070R68MEBN	7.00	6.60	4.00	0.68	uH	±20%	3.2	4.8	--	17,000	--	19,000	100KHz/1V
SPM70701R0MEBN				1.00	uH	±20%	5.0	6.6	--	13,500	--	16,000	100KHz/1V
SPM70701R5MEBN				1.50	uH	±20%	8.2	10.0	--	12,400	--	12,500	100KHz/1V
SPM70702R2MEBN				2.20	uH	±20%	11.5	14.0	--	10,000	--	11,000	100KHz/1V
SPM70703R3MEBN				3.30	uH	±20%	16.0	20.0	--	8,500	--	9,500	100KHz/1V
SPM70704R7MEBN				4.70	uH	±20%	24.0	30.0	--	6,500	--	9,000	100KHz/1V
SPM70706R8MEBN				6.80	uH	±20%	37.5	45.0	--	5,500	--	6,500	100KHz/1V
SPM70708R2MEBN				8.20	uH	±20%	46.0	55.0	--	5,200	--	6,000	100KHz/1V
SPM7070100MEBN				10.00	uH	±20%	55.0	65.0	--	4,800	--	6,000	100KHz/1V
SPM7070150MEBN				15.00	uH	±20%	80.0	95.0	--	3,700	--	4,500	100KHz/1V
SPM7070220MEBN				22.00	uH	±20%	105.0	125.0	--	3,300	--	4,000	100KHz/1V
SPM7070330MEBN				33.00	uH	±20%	210.0	240.0	--	2,200	--	3,000	100KHz/1V
SPM7070470MEBN	47.00	uH	±20%	285.0	320.0	--	1,800	--	2,500	100KHz/1V			
SPM7070R36MESQ	7.20	6.60	5.00	0.36	uH	±20%	2.7	3.1	--	21,000	--	25,000	100KHz/1V
SPM7070R68MESQ				0.68	uH	±20%	3.3	3.6	--	18,000	--	17,000	100KHz/1V
SPM70701R0MESQ				1.00	uH	±20%	4.5	5.3	--	14,500	--	16,000	100KHz/1V
SPM70701R5MESQ				1.50	uH	±20%	6.0	7.5	--	11,500	--	15,000	100KHz/1V
SPM70702R2MESQ				2.20	uH	±20%	9.0	10.5	--	10,500	--	13,500	100KHz/1V

Power Inductors

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Max.	Max.	Typ.	Max.	Typ.	Max.	
SPM70703R3MESQ	7.20	6.60	5.00	3.30	uH	±20%	14.0	15.0	--	9,000	--	10,000	100KHz/1V
SPM70704R7MESQ				4.70	uH	±20%	23.0	25.0	--	6,500	--	8,000	100KHz/1V
SPM70706R8MESQ				6.80	uH	±20%	31.5	35.5	--	5,500	--	6,500	100KHz/1V
SPM7070100MESQ				10.00	uH	±20%	42.0	50.0	--	4,500	--	5,000	100KHz/1V
SPM7070150MESQ				15.00	uH	±20%	76.0	85.0	--	3,800	--	4,600	100KHz/1V
SPM7070220MESQ				22.00	uH	±20%	105.0	120.0	--	3,000	--	3,700	100KHz/1V
SPM7070330MESQ				33.00	uH	±20%	155.0	170.0	--	2,600	--	3,100	100KHz/1V
SPM7070470MESQ				47.00	uH	±20%	162.0	178.0	--	2,300	--	2,500	100KHz/1V
SPM7070560MESQ				56.00	uH	±20%	235.0	290.0	--	1,800	--	2,200	100KHz/1V
SPM7070680MESQ				68.00	uH	±20%	280.0	320.0	--	1,700	--	2,400	100KHz/1V
SPM7070R47MEBQ	7.0	6.60	5.00	0.47	uH	±20%	3.3	3.9	--	20,000	--	21,000	100KHz/1V
SPM7070R68MEBQ				0.68	uH	±20%	4.0	4.5	--	16,500	--	18,000	100KHz/1V
SPM70701R0MEBQ				1.00	uH	±20%	5.0	6.6	--	12,000	--	16,000	100KHz/1V
SPM70701R5MEBQ				1.50	uH	±20%	8.0	10.0	--	9,500	--	13,000	100KHz/1V
SPM70702R2MEBQ				2.20	uH	±20%	10.5	12.5	--	9,000	--	11,000	100KHz/1V
SPM70703R3MEBQ				3.30	uH	±20%	20.0	22.0	--	8,500	--	10,000	100KHz/1V
SPM70704R7MEBQ				4.70	uH	±20%	23.0	29.0	--	6,000	--	8,000	100KHz/1V
SPM70706R8MEBQ				6.80	uH	±20%	35.0	41.0	--	5,800	--	6,300	100KHz/1V
SPM70708R2MEBQ				8.20	uH	±20%	40.0	48.0	--	5,500	--	5,500	100KHz/1V
SPM7070100MEBQ				10.00	uH	±20%	50.0	60.0	--	4,500	--	5,300	100KHz/1V
SPM7070150MEBQ				15.00	uH	±20%	80.0	90.0	--	3,100	--	4,000	100KHz/1V
SPM7070220MEBQ				22.00	uH	±20%	125.0	140.0	--	2,600	--	3,500	100KHz/1V
SPM7070330MEBQ				33.00	uH	±20%	170.0	190.0	--	2,300	--	3,000	100KHz/1V
SPM7070470MEBQ				47.00	uH	±20%	210.0	230.0	--	2,000	--	2,600	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM8080

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM80801R0MESN	8.65	8.00	4.00	1.00	uH	±20%	3.9	4.2	20,800	16,000	28,000	21,000	100KHz/1V
SPM8080100MESN				10.00	uH	±20%	36.0	43.0	6,000	5,700	7,700	6,500	100KHz/1V
SPM8080R22MEBN	8.80	8.20	4.00	0.22	uH	±20%	1.6	1.8	36,000	30,000	60,000	55,000	100KHz/1V
SPM8080R33MEBN				0.33	uH	±20%	2.1	2.4	30,000	25,000	45,000	40,000	100KHz/1V
SPM8080R47MEBN				0.47	uH	±20%	2.5	2.8	28,000	25,000	42,000	36,000	100KHz/1V
SPM8080R56MEBN				0.60	uH	±20%	2.9	3.2	24,000	22,000	26,000	23,000	100KHz/1V
SPM8080R68MEBN				0.68	uH	±20%	3.4	3.8	23,000	21,000	24,000	22,000	100KHz/1V
SPM8080R82MEBN				0.82	uH	±20%	4.0	4.4	21,000	19,000	21,000	19,000	100KHz/1V
SPM80801R0MEBN				1.00	uH	±20%	4.2	4.62	19,000	17,000	19,000	17,000	100KHz/1V
SPM80801R5MEBN				1.50	uH	±20%	6.9	7.6	17,000	15,000	17,000	15,000	100KHz/1V
SPM80801R8MEBN				1.80	uH	±20%	9.5	11.0	15,000	12,500	15,000	13,500	100KHz/1V
SPM80802R2MEBN				2.20	uH	±20%	10.0	11.4	14,000	12,000	14,000	12,000	100KHz/1V
SPM80803R3MEBN				3.30	uH	±20%	13.5	15.0	12,000	10,000	12,500	11,000	100KHz/1V
SPM80804R7MEBN				4.70	uH	±20%	24.0	26.5	9,500	8,500	11,500	10,500	100KHz/1V
SPM80805R6MEBN				5.60	uH	±20%	27.0	30.0	9,000	8,000	11,000	10,000	100KHz/1V
SPM80806R8MEBN				6.80	uH	±20%	31.0	36.8	8,000	7,000	9,000	8,000	100KHz/1V
SPM80808R2MEBN				8.20	uH	±20%	38.0	46.0	7,000	6,000	8,700	7,700	100KHz/1V
SPM8080100MEBN				10.00	uH	±20%	49.0	59.0	6,500	5,500	8,000	7,000	100KHz/1V
SPM8080150MEBN				15.00	uH	±20%	60.0	71.0	5,400	4,800	5,500	4,900	100KHz/1V
SPM8080220MEBN				22.00	uH	±20%	100.0	113.0	4,800	4,200	5,000	4,500	100KHz/1V
SPM8080330MEBN				33.00	uH	±20%	135.0	156.0	3,500	3,000	3,500	3,300	100KHz/1V
SPM8080470MEBN				47.00	uH	±20%	200.0	225.0	2,900	2,500	3,100	2,900	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM1010

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition			
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.				
SPM1010R47METN	11.20	10.00	4.00	0.47	uH	±20%	2.5	3.0	--	21,000	--	35,000	100KHz/1V			
SPM1010R68METN				0.68	uH	±20%	3.0	3.3	--	18,000	--	29,000	100KHz/1V			
SPM10101R0METN				1.00	uH	±20%	3.3	3.6	--	17,000	--	28,000	100KHz/1V			
SPM10101R2METN				1.20	uH	±20%	4.5	5.4	--	16,000	--	22,000	100KHz/1V			
SPM10101R5METN				1.50	uH	±20%	4.7	5.6	--	15,000	--	21,000	100KHz/1V			
SPM10102R2MESN	11.20	10.00	4.00	2.20	uH	±20%	6.0	7.0	--	12,000	--	18,000	100KHz/1V			
SPM10103R3MESN				3.30	uH	±20%	10.8	11.8	--	10,000	--	16,000	100KHz/1V			
SPM10104R7MESN				4.70	uH	±20%	17.0	20.0	--	8,500	--	15,000	100KHz/1V			
SPM10105R6MESN				5.60	uH	±20%	20.0	23.0	--	8,000	--	14,000	100KHz/1V			
SPM10106R8MESN				6.80	uH	±20%	22.5	25.0	--	7,000	--	12,000	100KHz/1V			
SPM10108R2MESN				8.20	uH	±20%	25.0	27.0	--	6,500	--	9,000	100KHz/1V			
SPM1010100MESN				10.00	uH	±20%	27.0	30.0	--	6,500	--	8,500	100KHz/1V			
SPM1010150MESN				15.00	uH	±20%	40.0	45.0	--	6,300	--	7,000	100KHz/1V			
SPM1010220MESN				22.00	uH	±20%	60.0	66.0	--	5,000	--	5,500	100KHz/1V			
SPM1010330MESN				33.00	uH	±20%	85.0	92.0	--	4,000	--	4,500	100KHz/1V			
SPM1010470MESN				47.00	uH	±20%	130.0	145.0	--	3,000	--	3,500	100KHz/1V			
SPM1010680MESN				68.00	uH	±20%	178.0	195.0	--	2,300	--	3,000	100KHz/1V			
SPM1010R15MEBN				11.5 MAX	10.00	4.00	0.15	uH	±20%	0.6	0.7	--	45,000	--	75,000	100KHz/1V
SPM1010R22MEBN							0.22	uH	±20%	0.9	1.0	--	35,000	--	60,000	100KHz/1V
SPM1010R30MEBN							0.30	uH	±20%	1.0	1.1	--	35,000	--	45,000	100KHz/1V
SPM1010R36MEBN	0.36	uH	±20%				1.1	1.2	--	30,000	--	45,000	100KHz/1V			
SPM1010R47MEBN	0.47	uH	±20%				1.5	1.7	--	30,000	--	40,000	100KHz/1V			
SPM1010R56MEBN	0.56	uH	±20%				1.6	1.8	--	25,000	--	33,000	100KHz/1V			
SPM1010R68MEBN	0.68	uH	±20%				2.1	2.4	--	23,000	--	30,000	100KHz/1V			
SPM1010R80MEBN	0.80	uH	±20%				2.4	2.7	--	23,000	--	29,000	100KHz/1V			
SPM10101R0MEBN	1.00	uH	±20%				3.0	3.3	--	19,000	--	28,000	100KHz/1V			
SPM10101R5MEBN	1.50	uH	±20%				3.8	4.2	--	16,000	--	24,000	100KHz/1V			
SPM10102R2MEBN	2.20	uH	±20%				6.0	7.0	--	12,000	--	16,500	100KHz/1V			
SPM10103R3MEBN	3.30	uH	±20%				10.8	11.8	--	11,000	--	16,000	100KHz/1V			
SPM10104R7MEBN	4.70	uH	±20%				17.0	20.0	--	9,000	--	13,000	100KHz/1V			
SPM10106R8MEBN	6.80	uH	±20%				22.5	25.0	--	8,500	--	12,000	100KHz/1V			
SPM10108R2MEBN	8.20	uH	±20%				25.0	27.0	--	8,000	--	9,000	100KHz/1V			
SPM1010100MEBN	10.00	uH	±20%				27.0	30.0	--	7,800	--	8,500	100KHz/1V			
SPM1010150MEBN	15.00	uH	±20%				40.0	45.0	--	6,500	--	7,000	100KHz/1V			
SPM1010220MEBN	22.00	uH	±20%				60.0	66.0	--	5,000	--	5,500	100KHz/1V			
SPM1010330MEBN	33.00	uH	±20%				85.0	92.0	--	4,400	--	4,800	100KHz/1V			
SPM1010470MEBN	47.00	uH	±20%				130.0	145.0	--	3,300	--	3,500	100KHz/1V			
SPM1010680MEBN	68.00	uH	±20%				178.0	195.0	--	2,500	--	3,000	100KHz/1V			
SPM1010820MEBN	82.00	uH	±20%				260.0	285.0	--	2,300	--	2,800	100KHz/1V			
SPM1010101MEBN	100.00	uH	±20%				315.0	340.0	--	2,000	--	2,300	100KHz/1V			
SPM1010100MESW	11.20	10.00	5.50				10.00	uH	±20%	21.0	24.2	8,000	7,200	12,500	10,500	100KHz/1V
SPM1010150MESW							15.00	uH	±20%	30.0	33.5	6,700	6,400	9,700	9,700	8,200
SPM1010220MESW				22.00	uH	±20%	47.0	53.0	6,000	5,400	8,800	8,800	7,200	7,200	100KHz/1V	
SPM1010330MESW				33.00	uH	±20%	67.0	77.1	4,500	4,200	6,200	6,200	5,200	5,200	100KHz/1V	
SPM1010470MESW				47.00	uH	±20%	98.0	114.0	4,100	3,600	4,900	4,900	4,200	4,200	100KHz/1V	
SPM1010101MESW				100.00	uH	±20%	200.0	230.0	2,800	2,500	3,610	3,610	3,000	3,000	100KHz/1V	

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM1313 / SIM1313

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPM13131R0MESM	13.90	12.80	3.50	1.00	uH	±20%	3.4	4.2	18,000	17,000	34,000	28,000	100KHz/1V
SPM13132R2MESM				2.20	uH	±20%	6.6	7.5	15,500	11,000	23,500	20,000	20,000
SPM13132R2MESQ	13.90	12.80	5.00	2.20	uH	±20%	4.0	5.0	--	15,000	--	24,000	100KHz/1V
SPM13133R3MESQ				3.30	uH	±20%	5.9	7.0	--	14,000	--	22,000	100KHz/1V
SPM13134R7MESQ				4.70	uH	±20%	8.5	10.5	--	13,000	--	19,000	100KHz/1V
SPM13136R8MESQ				6.80	uH	±20%	13.0	15.5	--	12,000	--	14,000	100KHz/1V
SPM1313100MESQ				10.00	uH	±20%	19.0	22.0	--	9,000	--	12,000	100KHz/1V
SPM1313150MESQ				15.00	uH	±20%	26.0	31.0	--	5,900	--	8,400	100KHz/1V
SPM1313220MESQ				22.00	uH	±20%	51.0	58.0	--	4,500	--	6,500	100KHz/1V

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFONP/N	Size		Thickness (mm)	Inductance			DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value	Unit	Tolerance %	Typ.	Max.	Typ.	Max.	Typ.	
SPM1313R68METQ	13.90	12.80	5.00	0.68	uH	±20%	2.5	3.0	--	23,000	--	38,000	100KHz/1V
SPM13131R0METQ				1.00	uH	±20%	3.0	3.6	--	22,000	--	28,000	100KHz/1V
SPM13131R5METQ				1.50	uH	±20%	3.5	4.2	--	18,500	--	23,000	100KHz/1V
SPM1313R22MEBQ	13.45	12.60	5.00	0.22	uH	±20%	0.6	0.7	--	50,000	--	75,000	100KHz/1V
SPM1313R36MEBQ				0.36	uH	±20%	0.7	0.9	--	42,000	--	50,000	100KHz/1V
SPM1313R50MEBQ				0.50	uH	±20%	1.0	1.2	--	38,000	--	48,000	100KHz/1V
SPM1313R68MEBQ				0.68	uH	±20%	1.4	1.6	--	33,000	--	46,000	100KHz/1V
SPM1313R82MEBQ				0.82	uH	±20%	1.5	1.7	--	30,000	--	39,000	100KHz/1V
SPM13131R0MEBQ				1.00	uH	±20%	2.0	2.2	--	26,000	--	35,000	100KHz/1V
SPM13131R5MEBQ				1.50	uH	±20%	3.9	3.2	--	23,000	--	33,000	100KHz/1V
SPM13132R2MEBQ				2.20	uH	±20%	4.5	5.0	--	15,000	--	24,000	100KHz/1V
SPM13133R3MEBQ				3.30	uH	±20%	6.3	7.0	--	14,000	--	22,000	100KHz/1V
SPM13134R7MEBQ				4.70	uH	±20%	8.2	9.0	--	13,000	--	20,000	100KHz/1V
SPM13136R8MEBQ				6.80	uH	±20%	16.0	18.0	--	12,000	--	16,000	100KHz/1V
SPM13138R2MEBQ				8.20	uH	±20%	18.0	20.0	--	9,500	--	13,000	100KHz/1V
SPM1313100MEBQ				10.00	uH	±20%	20.0	22.0	--	9,000	--	12,000	100KHz/1V
SPM1313150MEBQ				15.00	uH	±20%	26.0	30.0	--	8,000	--	10,000	100KHz/1V
SPM1313220MEBQ				22.00	uH	±20%	52.0	58.0	--	4,500	--	6,500	100KHz/1V
SPM1313330MEBQ				33.00	uH	±20%	75.0	84.0	--	3,500	--	6,000	100KHz/1V
SPM1313470MEBQ				47.00	uH	±20%	115.0	130.0	--	3,000	--	5,000	100KHz/1V
SPM1313680MEBQ	68.00	uH	±20%	130.0	145.0	--	2,800	--	4,500	100KHz/1V			
SPM13132R2MESR	13.90	12.80	6.00	2.20	uH	±20%	3.8	4.1	--	21,000	--	25,000	100KHz/1V
SPM13133R3MESR				3.30	uH	±20%	5.3	6.4	--	17,000	--	22,000	100KHz/1V
SPM13134R7MESR				4.70	uH	±20%	7.2	9.0	--	16,000	--	18,000	100KHz/1V
SPM13136R8MESR				6.80	uH	±20%	9.5	12.0	--	12,000	--	15,000	100KHz/1V
SPM13138R2MESR				8.20	uH	±20%	13.6	16.0	--	11,000	--	13,500	100KHz/1V
SPM1313100MESR				10.00	uH	±20%	18.0	20.7	--	10,000	--	12,500	100KHz/1V
SPM1313120MESR				12.00	uH	±20%	20.0	23.0	--	7,000	--	10,000	100KHz/1V
SPM1313150MESR				15.00	uH	±20%	25.0	29.0	--	6,000	--	9,000	100KHz/1V
SPM1313220MESR				22.00	uH	±20%	34.0	39.5	--	5,000	--	7,500	100KHz/1V
SPM1313270MESR				27.00	uH	±20%	49.0	56.0	--	4,500	--	6,500	100KHz/1V
SPM1313330MESR				33.00	uH	±20%	65.0	75.0	--	4,000	--	6,000	100KHz/1V
SPM1313470MESR				47.00	uH	±20%	80.0	90.0	--	3,500	--	5,500	100KHz/1V
SPM1313680MESR				68.00	uH	±20%	120.0	140.0	--	3,000	--	4,500	100KHz/1V
SPM1313101MESR				100.00	uH	±20%	180.0	200.0	--	2,500	--	3,500	100KHz/1V
SPM1313121MESR				120.00	uH	±20%	210.0	235.0	--	2,300	--	3,200	100KHz/1V
SPM1313151MESR				150.00	uH	±20%	250.0	300.0	--	2,200	--	2,700	100KHz/1V
SPM13134R7MEBR				13.45	12.60	6.00	4.70	uH	±20%	7.2	9.0	--	15,000
SPM13135R6MEBR	5.60	uH	±20%				9.0	11.0	--	13,000	--	22,500	100KHz/1V
SPM13136R8MEBR	6.80	uH	±20%				11.0	13.5	--	12,000	--	19,000	100KHz/1V
SPM13138R2MEBR	8.20	uH	±20%				13.6	16.0	--	11,000	--	13,500	100KHz/1V
SPM1313100MEBR	10.00	uH	±20%				18.0	20.7	--	10,000	--	12,500	100KHz/1V
SPM1313120MEBR	12.00	uH	±20%				20.0	23.0	--	9,000	--	10,000	100KHz/1V
SPM1313150MEBR	15.00	uH	±20%				25.0	29.0	--	8,500	--	9,000	100KHz/1V
SPM1313180MEBR	18.00	uH	±20%				29.0	35.0	--	7,500	--	8,000	100KHz/1V
SPM1313220MEBR	22.00	uH	±20%				34.0	39.5	--	7,000	--	7,500	100KHz/1V
SPM1313270MEBR	27.00	uH	±20%				49.0	56.0	--	6,000	--	6,500	100KHz/1V
SPM1313330MEBR	33.00	uH	±20%				65.0	75.0	--	5,500	--	6,000	100KHz/1V
SPM1313470MEBR	47.00	uH	±20%				80.0	90.0	--	5,000	--	5,500	100KHz/1V
SPM1313680MEBR	68.00	uH	±20%				120.0	140.0	--	4,000	--	4,500	100KHz/1V
SPM1313101MEBR	100.00	uH	±20%				180.0	200.0	--	3,000	--	3,500	100KHz/1V
SPM1313121MEBR	120.00	uH	±20%				200.0	235.0	--	2,000	--	3,200	100KHz/1V
SPM1313151MEBR	150.00	uH	±20%				315.0	350.0	--	1,500	--	2,700	100KHz/1V
SIM1313220MESN	13.90	12.80	4.00				22.00	uH	± 20%	42.5	52.5	6,100	6,000
SIM1313330MESN				33.00	uH	± 20%	63.0	73.0	5,100	5,000	7,300	6,000	100KHz/1V
SIM1313101MESN				100.00	uH	± 20%	215.0	230.0	2,600	2,400	3,800	3,100	100KHz/1V
SIM1313220MESR	13.90	12.80	6.00	22.00	uH	± 20%	29.0	34.0	7,700	7,200	11,000	9,500	100KHz/1V
SIM1313330MESR				33.00	uH	± 20%	43.0	51.0	6,500	6,000	9,000	7,500	100KHz/1V
SIM1313470MESR				47.00	uH	± 20%	60.0	70.0	5,300	4,800	7,800	6,500	100KHz/1V
SIM1313101MESR				100.00	uH	± 20%	130.0	155.0	3,700	3,500	5,300	4,500	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM1717

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SPM1717100MESU	17.15	17.00	7.00	10.00	uH	±20%	9.2	9.9	15,000	14,000	25,000	20,000	100KHz/1V
SPM1717220MESU				22.00	uH	±20%	20.0	23.0	12,000	10,000	14,500	12,000	100KHz/1V
SPM1717330MESU				33.00	uH	±20%	30.0	36.0	9,600	8,900	14,500	11,500	100KHz/1V
SPM17171R5MEBU	17.15	17.15MAX	7.00	1.50	uH	±20%	1.7	2.1	--	33,000	--	40,000	100KHz/1V
SPM17172R2MEBU				2.20	uH	±20%	2.0	2.5	--	29,000	--	34,000	100KHz/1V
SPM17173R3MEBU				3.30	uH	±20%	3.0	4.0	--	24,000	--	30,000	100KHz/1V
SPM17174R7MEBU				4.70	uH	±20%	3.8	4.8	--	21,000	--	24,000	100KHz/1V
SPM17176R8MEBU				6.80	uH	±20%	6.0	7.5	--	17,000	--	22,000	100KHz/1V
SPM17178R2MEBU				8.20	uH	±20%	7.0	8.7	--	13,000	--	20,000	100KHz/1V
SPM1717100MEBU				10.00	uH	±20%	8.0	9.9	--	12,000	--	19,000	100KHz/1V
SPM1717150MEBU				15.00	uH	±20%	13.5	17.0	--	11,000	--	14,500	100KHz/1V
SPM1717220MEBU				22.00	uH	±20%	18.5	23.0	--	8,500	--	11,500	100KHz/1V
SPM1717330MEBU				33.00	uH	±20%	28.0	37.0	--	8,000	--	10,000	100KHz/1V
SPM1717470MEBU				47.00	uH	±20%	37.0	47.0	--	6,000	--	7,500	100KHz/1V
SPM1717680MEBU				68.00	uH	±20%	70.0	85.0	--	5,200	--	6,500	100KHz/1V
SPM1717101MEBU				100.00	uH	±20%	110.0	130.0	--	3,700	--	5,000	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPM2222

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SPM22224R7MESX	22.50	22.00	13.00	4.70	uH	±20%	1.9	2.2	41,000	40,000	60,000	45,000	100KHz/1V
SPM22226R8MESX				6.80	uH	±20%	2.7	3.2	29,000	28,000	58,000	48,000	100KHz/1V
SPM2222100MESX				10.00	uH	±20%	4.0	4.7	28,000	27,000	47,000	39,000	100KHz/1V
SPM2222220MESX				20.00	uH	±20%	9.5	11.5	20,000	19,800	25,500	21,500	100KHz/1V
SPM22221R0MEBX	23.50	22.00	13.00	1.00	uH	±20%	0.8	1.0	70,000	65,000	60,000	54,000	100KHz/1V
SPM22221R5MEBX				1.50	uH	±20%	0.9	1.2	62,000	57,000	52,000	48,000	100KHz/1V
SPM22222R2MEBX				2.20	uH	±20%	1.1	1.3	58,000	52,000	48,000	43,000	100KHz/1V
SPM22223R3MEBX				3.30	uH	±20%	1.5	1.8	49,000	47,000	41,000	37,000	100KHz/1V
SPM22224R7MEBX				4.70	uH	±20%	1.9	2.2	47,000	44,000	38,000	34,000	100KHz/1V
SPM22226R8MEBX				6.80	uH	±20%	2.6	3.1	40,000	36,000	36,000	32,000	100KHz/1V
SPM2222100MEBX				10.00	uH	±20%	3.4	4.2	33,000	30,000	28,000	20,000	100KHz/1V
SPM2222150MEBX				15.00	uH	±20%	5.1	6.1	26,000	23,000	23,000	18,000	100KHz/1V
SPM222220MEBX				22.00	uH	±20%	9.0	11.0	22,000	18,000	15,000	14,000	100KHz/1V
SPM2222330MEBX				33.00	uH	±20%	12.5	15.4	19,000	16,000	12,000	10,500	100KHz/1V
SPM2222470MEBX				47.00	uH	±20%	17.5	20.8	17,000	14,000	12,000	10,000	100KHz/1V
SPM2222680MEBX				68.00	uH	±20%	24.5	29.5	14,000	12,000	12,000	9,000	100KHz/1V
SPM2222820MEBX				82.00	uH	±20%	28.5	34.2	12,000	10,000	9,000	7,700	100KHz/1V
SPM2222101MEBX				100.00	uH	±20%	31.0	40.0	11,000	9,500	9,000	7,500	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ SPM2222_MEBX : Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 40% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

Automotive Type Inductor for Molding Inductor (SAM / AIM / ACM Series)

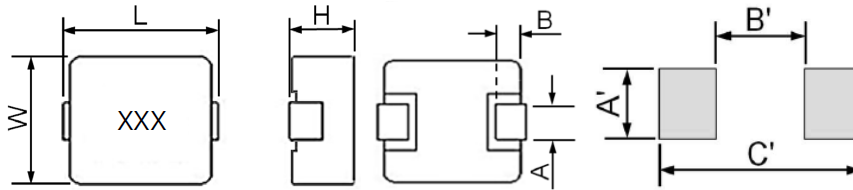
■ **Feature**

1. Magnetic shielded construction
2. Frequency range up to 3.0MHz
3. Higher rated current, capable handling at high current spikes

■ **Application**

1. VGA card applications
2. DC-DC Converter applications
3. Low profile, high current power supplies
4. Automotive Application

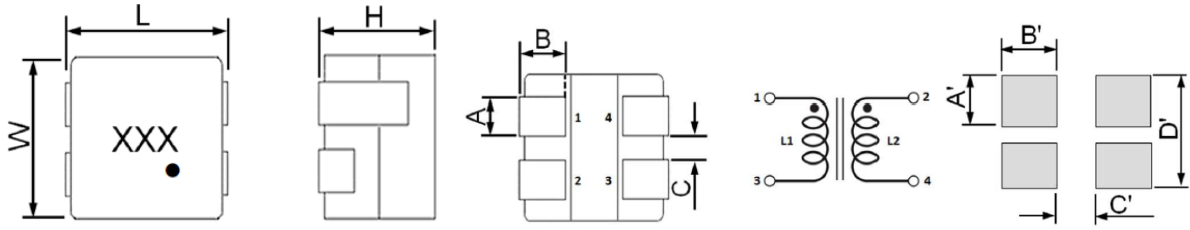
■ **Standard External Dimensions**



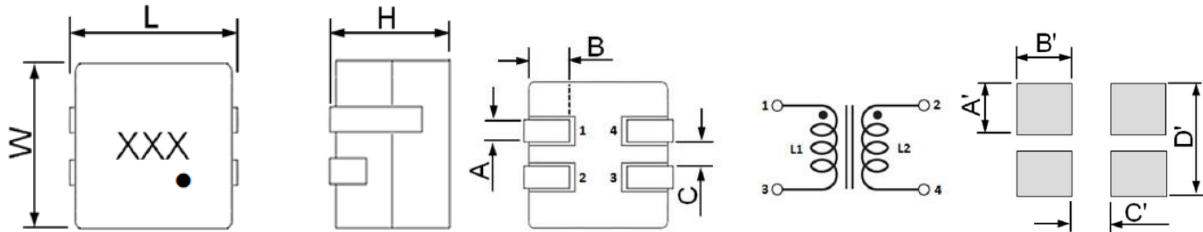
Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	Recommended Land Patterns			Package	
						A' (mm)	B (mm)	C' (mm)	Reel	Amount(pcs)
SAM4040□□□□ESC	4.7±0.3	4.2±0.2	1.0±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	3,500
SAM4040□□□□ELC	4.7±0.3	4.2±0.2	1.0±0.3	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	3,500
SAM4040□□□□E_H	4.7±0.3	4.2±0.2	1.8±0.2	2.0±0.3	0.8±0.3	2.5	2.4	5.4	13"	2,000
SAM5050□□□□E_E	5.7±0.3	5.2±0.2	1.3±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SAM5050□□□□E_G	5.7±0.3	5.2±0.2	1.6±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SAM5050□□□□E_H	5.7±0.3	5.2±0.2	1.8±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	3,000
SAM5050□□□□E_L	5.7±0.3	5.2±0.2	2.8±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	2,000
SAM5050□□□□E_N	5.7±0.3	5.2±0.2	3.8±0.2	2.5±0.3	1.0±0.3	3.5	3.0	7.0	13"	1,500
SAM7070□□□□E_E	7.0±0.3	6.6±0.2	1.3±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	2,000
SAM7070□□□□E_G	7.2±0.3	6.6±0.2	1.6±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	2,000
SAM7070□□□□E_L	7.2±0.3	6.6±0.2	2.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,500
SAM7070□□□□E_N	7.2±0.3	6.6±0.2	3.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,000
SAM7070□□□□E_Q	7.2±0.3	6.6±0.2	4.8±0.2	3.0±0.5	1.5±0.3	3.5	4.0	8.5	13"	1,000
SAM8080□□□□E_W	8.7±0.35	8.2±0.3	5.3±0.2	5.1±0.3	1.6±0.3	5.4	4.8	9.6	13"	500
SAM1010□□□□E_N	11.2±0.3	10.0±0.2	3.8±0.2	3.0±0.5	2.0±0.5	4.0	5.5	13.5	13"	800
SAM1010□□□□E_W	11.2±0.3	10.0±0.2	5.3±0.2	3.0±0.5	2.0±0.5	4.0	5.5	13.5	13"	500
SAM1313□□□□E_Q*	13.9±0.3	12.8±0.2	4.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
SAM1313□□□□E_R	13.9±0.3	12.8±0.2	5.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
AIM1313□□□□ESN	13.9±0.3	12.8±0.2	3.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500
AIM1313□□□□ESR	13.9±0.3	12.8±0.2	5.8±0.2	5.0±0.5	2.0±0.3	6.0	8.0	14.5	13"	500

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification



Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	C (mm)	Recommended Land Patterns				Package	
							A' (mm)	B' (mm)	C' (mm)	D' (mm)	Reel	Amount (pcs)
ACM7070□□□□ESR	7.7±0.35	7.2±0.3	6.0max	2.3±0.3	1.75±0.35	1.2±0.3	2.8	3.0	3.3	6.4	13"	800
ACM1010□□□□ESY	10.8±0.35	10.0±0.3	8.0max	3.1±0.3	2.4±0.5	1.6±0.2	3.8	4.0	5.0	8.8	13"	400



Series	L (mm)	W (mm)	H (mm)	A (mm)	B (mm)	C (mm)	Recommended Land Patterns				Package	
							A' (mm)	B' (mm)	C' (mm)	D' (mm)	Reel	Amount (pcs)
ACM1313□□□□ESS	12.0±0.3	12.0±0.3	6.5max	1.5±0.4	3.25±0.3	1.65±0.4	2.2	4.0	4.5	5.9	13"	500
ACM1313□□□□ESY	12.0±0.3	12.0±0.3	8.0max	1.5±0.4	3.25±0.3	1.65±0.4	2.2	4.0	4.5	5.9	13"	300
ACM1313□□□□ESV	12.0±0.3	12.0±0.3	8.0Max	1.5±0.4	3.25±0.3	1.65±0.4	2.20	4.50	4.50	5.9	13"	250
ACM1313□□□□ESO	12.0±0.3	12.0±0.3	10.0max	1.5±0.4	3.25±0.3	1.65±0.4	2.2	4.0	4.5	5.9	13"	200

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification

Power Inductors

■ Part Number & Characteristic (General Molding for Automotive)(SAM Series)

● SAM4040

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA) Max.	Saturation Current I _{sat} (mA) Max.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.			
SAM4040R33MESC	4.70	4.20	1.20	0.33	uH	±20%	14.0	16.5	6,500	9,000	100KHz/1V
SAM4040R47MESC				0.47	uH	±20%	19.0	21.0	6,000	6,800	100KHz/1V
SAM4040R68MESC				0.68	uH	±20%	32.0	36.0	4,500	6,000	100KHz/1V
SAM40401R0MESC				1.00	uH	±20%	43.0	47.0	4,200	5,200	100KHz/1V
SAM40401R5MESC				1.50	uH	±20%	68.0	75.0	3,250	4,000	100KHz/1V
SAM40402R2MESC				2.20	uH	±20%	79.4	83.5	2,750	3,500	100KHz/1V
SAM40403R3MESC				3.30	uH	±20%	120.0	138.0	2,300	3,000	100KHz/1V
SAM40404R7MESC				4.70	uH	±20%	175.0	195.0	1,800	2,800	100KHz/1V
SAM4040R33MELC	4.70	4.20	1.20	0.33	uH	±20%	14.0	16.5	6,500	9,000	100KHz/1V
SAM4040R47MELC				0.47	uH	±20%	19.0	21.0	6,000	6,800	100KHz/1V
SAM4040R68MELC				0.68	uH	±20%	32.0	36.0	4,500	6,000	100KHz/1V
SAM40401R0MELC				1.00	uH	±20%	43.0	47.0	4,200	5,200	100KHz/1V
SAM40401R5MELC				1.50	uH	±20%	68.0	75.0	3,250	4,000	100KHz/1V
SAM40402R2MELC				2.20	uH	±20%	79.4	83.5	2,750	3,500	100KHz/1V
SAM40403R3MELC				3.30	uH	±20%	120.0	138.0	2,300	3,000	100KHz/1V
SAM40404R7MELC				4.70	uH	±20%	175.0	195.0	1,800	2,800	100KHz/1V
SAM4040R22MESH	4.70	4.20	2.00	0.22	uH	±20%	6.0	6.6	9,000	12,500	100KHz/1V
SAM4040R47MESH				0.47	uH	±20%	12.5	14.0	7,000	9,500	100KHz/1V
SAM4040R68MESH				0.68	uH	±20%	19.4	21.0	5,200	8,000	100KHz/1V
SAM40401R0MESH				1.00	uH	±20%	24.0	27.0	4,800	7,000	100KHz/1V
SAM40401R5MESH				1.50	uH	±20%	36.0	44.0	4,000	6,300	100KHz/1V
SAM40402R2MESH				2.20	uH	±20%	52.0	58.0	3,600	5,900	100KHz/1V
SAM40403R3MESH				3.30	uH	±20%	74.0	87.0	3,000	4,000	100KHz/1V
SAM40404R7MESH				4.70	uH	±20%	88.0	100.0	2,800	3,200	100KHz/1V
SAM40406R8MESH				6.80	uH	±20%	162.0	178.0	2,000	2,100	100KHz/1V
SAM4040100MESH				10.00	uH	±20%	256.0	282.0	1,600	1,800	100KHz/1V
SAM4040R22MELH	4.70	4.20	2.00	0.22	uH	±20%	6.0	6.6	9,000	12,500	100KHz/1V
SAM4040R47MELH				0.47	uH	±20%	12.5	14.0	7,000	9,500	100KHz/1V
SAM4040R68MELH				0.68	uH	±20%	19.4	21.0	5,200	8,000	100KHz/1V
SAM40401R0MELH				1.00	uH	±20%	24.0	27.0	4,800	7,000	100KHz/1V
SAM40401R5MELH				1.50	uH	±20%	36.0	44.0	4,000	6,300	100KHz/1V
SAM40402R2MELH				2.20	uH	±20%	52.0	58.0	3,600	5,900	100KHz/1V
SAM40403R3MELH				3.30	uH	±20%	74.0	87.0	3,000	4,000	100KHz/1V
SAM40404R7MELH				4.70	uH	±20%	88.0	100.0	2,800	3,200	100KHz/1V
SAM40406R8MELH				6.80	uH	±20%	162.0	178.0	2,000	2,100	100KHz/1V
SAM4040100MELH				10.00	uH	±20%	256.0	282.0	1,600	1,800	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SAM5050

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA) Max.	Saturation Current I _{sat} (mA) Max.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.			
SAM50500R22NESE	5.70	5.20	1.50	0.22	uH	±30%	5.8	7.0	10,000	17,000	100KHz/1V
SAM50501R0MESE				1.00	uH	±20%	20.0	23.0	6,500	9,000	100KHz/1V
SAM50501R5MESE				1.50	uH	±20%	46.0	53.0	4,200	7,000	100KHz/1V
SAM50502R2MESE				2.20	uH	±20%	58.0	64.0	3,300	6,000	100KHz/1V
SAM50503R3MESE				3.30	uH	±20%	70.0	80.0	3,200	4,500	100KHz/1V
SAM50504R7MESE				4.70	uH	±20%	103.0	115.0	3,000	4,000	100KHz/1V
SAM50506R8MESE				6.80	uH	±20%	167.0	180.0	2,500	3,200	100KHz/1V
SAM5050100MESE				10.00	uH	±20%	220.0	246.0	2,000	3,000	100KHz/1V
SAM5050R22NELE	5.70	5.20	1.50	0.22	uH	±30%	5.8	7.0	10,000	17,000	100KHz/1V
SAM50501R0MELE				1.00	uH	±20%	20.0	23.0	6,500	9,000	100KHz/1V
SAM50501R5MELE				1.50	uH	±20%	46.0	53.0	4,200	7,000	100KHz/1V
SAM50502R2MELE				2.20	uH	±20%	58.0	64.0	3,300	6,000	100KHz/1V
SAM50503R3MELE				3.30	uH	±20%	70.0	80.0	3,200	4,500	100KHz/1V
SAM50504R7MELE				4.70	uH	±20%	103.0	115.0	3,000	4,000	100KHz/1V
SAM50506R8MELE				6.80	uH	±20%	167.0	180.0	2,500	3,200	100KHz/1V
SAM5050100MELE				10.00	uH	±20%	220.0	246.0	2,000	3,000	100KHz/1V
SAM50501R0MESG	5.70	5.20	1.80	1.00	uH	±20%	15.0	17.0	8,000	9,500	100KHz/1V
SAM50504R7MESG				4.70	uH	±20%	78.0	85.0	3,500	4,000	100KHz/1V
SAM50506R8MESG				6.80	uH	±20%	107.0	120.0	2,800	3,400	100KHz/1V
SAM5050100MESG				10.00	uH	±20%	140.0	155.0	2,500	3,000	100KHz/1V
SAM50501R0MELG	5.70	5.20	1.80	1.00	uH	±20%	15.0	17.0	8,000	9,500	100KHz/1V
SAM50504R7MELG				4.70	uH	±20%	78.0	85.0	3,500	4,000	100KHz/1V

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SAM50506R8MELG	5.70	5.20	1.80	6.80	uH	±20%	107.0	120.0	2,800		3,400		100KHz/1V
SAM5050100MELG				10.00	uH	±20%	140.0	155.0	2,500		3,000		100KHz/1V
SAM5050R22MESH	5.70	5.20	2.00	0.22	uH	±20%	4.1	4.5	12,000		20,000		100KHz/1V
SAM5050R24MESH				0.24	uH	±20%	5.0	5.8	11,700		18,500		100KHz/1V
SAM5050R33MESH				0.33	uH	±20%	5.5	5.9	11,500		16,000		100KHz/1V
SAM5050R47MESH				0.47	uH	±20%	8.0	10.0	10,500		15,500		100KHz/1V
SAM5050R56MESH				0.56	uH	±20%	8.2	10.0	10,000		13,000		100KHz/1V
SAM5050R68MESH				0.68	uH	±20%	10.5	13.0	9,500		12,000		100KHz/1V
SAM50501R0MESH				1.00	uH	±20%	15.0	17.0	8,000		9,500		100KHz/1V
SAM50501R2MESH				1.20	uH	±20%	19.5	22.5	7,000		9,000		100KHz/1V
SAM50501R5MESH				1.50	uH	±20%	24.2	27.5	6,000		8,500		100KHz/1V
SAM50502R2MESH				2.20	uH	±20%	30.0	35.0	5,000		6,500		100KHz/1V
SAM50503R3MESH				3.30	uH	±20%	49.0	55.0	4,500		5,500		100KHz/1V
SAM50504R7MESH				4.70	uH	±20%	75.3	81.3	3,500		4,500		100KHz/1V
SAM50505R6MESH				5.60	uH	±20%	85.2	92.0	3,000		4,000		100KHz/1V
SAM50506R8MESH				6.80	uH	±20%	107.0	120.0	2,800		3,600		100KHz/1V
SAM5050100MESH				10.00	uH	±20%	140.0	155.0	2,400		3,400		100KHz/1V
SAM5050R22MELH				5.70	5.20	2.00	0.22	uH	±20%	4.1	4.5	12,000	
SAM5050R24MELH	0.24	uH	±20%				5.0	5.8	11,700		18,500		100KHz/1V
SAM5050R33MELH	0.33	uH	±20%				5.5	5.9	11,500		16,000		100KHz/1V
SAM5050R47MELH	0.47	uH	±20%				8.0	10.0	10,500		15,500		100KHz/1V
SAM5050R56MELH	0.56	uH	±20%				8.2	10.0	10,000		13,000		100KHz/1V
SAM5050R68MELH	0.68	uH	±20%				10.5	13.0	9,500		12,000		100KHz/1V
SAM50501R0MELH	1.00	uH	±20%				15.0	17.0	8,000		9,500		100KHz/1V
SAM50501R2MELH	1.20	uH	±20%				19.5	22.5	7,000		9,000		100KHz/1V
SAM50501R5MELH	1.50	uH	±20%				24.2	27.5	6,000		8,500		100KHz/1V
SAM50502R2MELH	2.20	uH	±20%				30.0	35.0	5,000		6,500		100KHz/1V
SAM50503R3MELH	3.30	uH	±20%				49.0	55.0	4,500		5,500		100KHz/1V
SAM50504R7MELH	4.70	uH	±20%				75.3	81.3	3,500		4,500		100KHz/1V
SAM50505R6MELH	5.60	uH	±20%				85.2	92.0	3,000		4,000		100KHz/1V
SAM50506R8MELH	6.80	uH	±20%				107.0	120.0	2,800		3,600		100KHz/1V
SAM5050100MELH	10.00	uH	±20%				140.0	155.0	2,400		3,400		100KHz/1V
SAM50501R0MESL	5.70	5.20	3.00				1.00	uH	±20%	13.0	14.0	7,000	
SAM50501R5MESL				1.50	uH	±20%	18.0	25.0	6,200		9,500		100KHz/1V
SAM50502R2MESL				2.20	uH	±20%	29.0	35.0	5,500		9,000		100KHz/1V
SAM50503R3MESL				3.30	uH	±20%	32.0	38.0	5,000		7,000		100KHz/1V
SAM50503R6MESL				3.60	uH	±20%	34.0	40.0	4,700		7,000		100KHz/1V
SAM50504R7MESL				4.70	uH	±20%	50.0	60.0	4,400		6,000		100KHz/1V
SAM50506R8MESL				6.80	uH	±20%	75.0	88.5	3,400		3,800		100KHz/1V
SAM5050100MESL				10.00	uH	±20%	95.0	114.0	2,500		3,500		100KHz/1V
SAM5050220MESL				22.00	uH	±20%	230.0	275.0	2,300		2,100		100KHz/1V
SAM50501R0MELL				5.70	5.20	3.00	1.00	uH	±20%	13.0	14.0	7,000	
SAM50501R5MELL	1.50	uH	±20%				18.0	25.0	6,200		9,500		100KHz/1V
SAM50502R2MELL	2.20	uH	±20%				29.0	35.0	5,500		9,000		100KHz/1V
SAM50503R3MELL	3.30	uH	±20%				32.0	38.0	5,000		7,000		100KHz/1V
SAM50503R6MELL	3.60	uH	±20%				34.0	40.0	4,700		7,000		100KHz/1V
SAM50504R7MELL	4.70	uH	±20%				50.0	60.0	4,400		6,000		100KHz/1V
SAM50506R8MELL	6.80	uH	±20%				75.0	88.5	3,400		3,800		100KHz/1V
SAM5050100MELL	10.00	uH	±20%				95.0	114.0	2,500		3,500		100KHz/1V
SAM5050220MELL	22.00	uH	±20%				230.0	275.0	2,300		2,100		100KHz/1V

Power Inductors

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SAM50504R7MESN	5.70	5.20	4.00	4.70	uH	±20%	31.5	38.0	5,100		7,500		100KHz/1V
SAM5050150MESN				15.00	uH	±20%	115.0	130.0	2,800		2,700		100KHz/1V
SAM5050220MESN				22.00	uH	±20%	170.0	190.0	2,500		2,400		100KHz/1V
SAM5050330MESN	5.70	5.20	4.00	33.00	uH	±20%	250.0	290.0	1,900		2,300		100KHz/1V
SAM50504R7MELN				4.70	uH	±20%	31.5	38.0	5,100		7,500		100KHz/1V
SAM5050150MELN				15.00	uH	±20%	115.0	130.0	2,800		2,700		100KHz/1V
SAM5050220MELN				22.00	uH	±20%	170.0	190.0	2,500		2,400		100KHz/1V
SAM5050330METN				33.00	uH	±20%	250.0	290.0	1,900		1,700		2,300

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SAM7070

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA) Max.	Saturation Current I _{sat} (mA) Max.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.			
SAM7070R22MESE	7.00	6.60	1.50	0.22	uH	±20%	5.1	5.8	11,000	22,000	100KHz/1V
SAM7070R33MESE				0.33	uH	±20%	6.8	7.8	10,000	19,500	100KHz/1V
SAM7070R47MESE				0.47	uH	±20%	8.5	9.8	9,500	16,000	100KHz/1V
SAM7070R56MESE				0.56	uH	±20%	9.5	11.0	9,000	14,000	100KHz/1V
SAM7070R68MESE				0.68	uH	±20%	12.5	14.5	8,000	12,000	100KHz/1V
SAM7070R82MESE				0.82	uH	±20%	15.0	17.0	7,000	10,000	100KHz/1V
SAM70701R0MESE				1.00	uH	±20%	18.5	21.0	5,500	9,000	100KHz/1V
SAM70701R2MESE				1.20	uH	±20%	21.0	30.0	5,400	8,500	100KHz/1V
SAM70701R5MESE				1.50	uH	±20%	37.0	42.5	5,000	7,000	100KHz/1V
SAM70702R2MESE				2.20	uH	±20%	41.0	50.0	4,900	6,100	100KHz/1V
SAM70703R3MESE				3.30	uH	±20%	54.0	63.0	3,300	5,500	100KHz/1V
SAM70704R7MESE				4.70	uH	±20%	76.0	85.0	3,000	5,000	100KHz/1V
SAM70706R8MESE				6.80	uH	±20%	125.0	135.0	2,500	4,000	100KHz/1V
SAM7070100MESE				10.00	uH	±20%	165.0	175.0	2,000	3,000	100KHz/1V
SAM7070R22MELE	7.00	6.60	1.50	0.22	uH	±20%	5.1	5.8	11,000	22,000	100KHz/1V
SAM7070R33MELE				0.33	uH	±20%	6.8	7.8	10,000	19,500	100KHz/1V
SAM7070R47MELE				0.47	uH	±20%	8.5	9.8	9,500	16,000	100KHz/1V
SAM7070R56MELE				0.56	uH	±20%	9.5	11.0	9,000	14,000	100KHz/1V
SAM7070R68MELE				0.68	uH	±20%	12.5	14.5	8,000	12,000	100KHz/1V
SAM7070R82MELE				0.82	uH	±20%	15.0	17.0	7,000	10,000	100KHz/1V
SAM70701R0MELE				1.00	uH	±20%	18.5	21.0	5,500	9,000	100KHz/1V
SAM70701R2MELE				1.20	uH	±20%	21.0	30.0	5,400	8,500	100KHz/1V
SAM70701R5MELE				1.50	uH	±20%	37.0	42.5	5,000	7,000	100KHz/1V
SAM70702R2MELE				2.20	uH	±20%	41.0	50.0	4,900	6,100	100KHz/1V
SAM70703R3MELE				3.30	uH	±20%	54.0	63.0	3,300	5,500	100KHz/1V
SAM70704R7MELE				4.70	uH	±20%	76.0	85.0	3,000	5,000	100KHz/1V
SAM70706R8MELE				6.80	uH	±20%	125.0	135.0	2,500	4,000	100KHz/1V
SAM7070100MELE				10.00	uH	±20%	165.0	175.0	2,000	3,000	100KHz/1V
SAM7070R10MESG	7.20	6.60	1.80	0.10	uH	±20%	1.9	2.3	18,000	30,000	100KHz/1V
SAM7070R22MESG				0.22	uH	±20%	4.5	5.2	14,000	29,000	100KHz/1V
SAM7070R33MESG				0.33	uH	±20%	5.2	6.8	12,000	22,000	100KHz/1V
SAM7070R47MESG				0.47	uH	±20%	7.3	8.4	11,000	17,000	100KHz/1V
SAM7070R68MESG				0.68	uH	±20%	10.8	12.7	9,000	16,000	100KHz/1V
SAM7070R82MESG				0.82	uH	±20%	13.4	15.9	8,000	14,000	100KHz/1V
SAM70701R0MESG				1.00	uH	±20%	14.5	17.0	7,000	12,000	100KHz/1V
SAM70701R5MESG				1.50	uH	±20%	20.0	26.0	6,000	10,000	100KHz/1V
SAM70702R2MESG				2.20	uH	±20%	31.0	35.0	5,000	8,000	100KHz/1V
SAM70703R3MESG				3.30	uH	±20%	56.0	60.0	3,500	7,000	100KHz/1V
SAM70704R7MESG				4.70	uH	±20%	68.0	75.0	3,200	5,500	100KHz/1V
SAM70706R8MESG				6.80	uH	±20%	101.0	110.0	2,800	4,500	100KHz/1V
SAM70708R2MESG				8.20	uH	±20%	124.0	142.0	2,500	4,000	100KHz/1V
SAM7070100MESG				10.00	uH	±20%	155.0	166.0	2,000	3,000	100KHz/1V
SAM7070R10MELG	7.20	6.60	1.80	0.10	uH	±20%	1.9	2.3	18,000	30,000	100KHz/1V
SAM7070R22MELG				0.22	uH	±20%	4.5	5.2	14,000	29,000	100KHz/1V
SAM7070R33MELG				0.33	uH	±20%	5.2	6.8	12,000	22,000	100KHz/1V
SAM7070R47MELG				0.47	uH	±20%	7.3	8.4	11,000	17,000	100KHz/1V
SAM7070R68MELG				0.68	uH	±20%	10.8	12.7	9,000	16,000	100KHz/1V
SAM7070R82MELG				0.82	uH	±20%	13.4	15.9	8,000	14,000	100KHz/1V
SAM70701R0MELG				1.00	uH	±20%	14.5	17.0	7,000	12,000	100KHz/1V
SAM70701R5MELG				1.50	uH	±20%	20.0	26.0	6,000	10,000	100KHz/1V
SAM70702R2MELG				2.20	uH	±20%	31.0	35.0	5,000	8,000	100KHz/1V
SAM70703R3MELG				3.30	uH	±20%	56.0	60.0	3,500	7,000	100KHz/1V
SAM70704R7MELG				4.70	uH	±20%	68.0	75.0	3,200	5,500	100KHz/1V
SAM70706R8MELG				6.80	uH	±20%	101.0	110.0	2,800	4,500	100KHz/1V
SAM70708R2MELG				8.20	uH	±20%	124.0	142.0	2,500	4,000	100KHz/1V
SAM7070100MELG				10.00	uH	±20%	155.0	166.0	2,000	3,000	100KHz/1V
SAM7070R10NESL	7.20	6.60	3.00	0.10	uH	±20%	1.5	1.7	32,500	60,000	100KHz/1V
SAM7070R15NESL				0.15	uH	±20%	1.5	1.8	24,000	41,000	100KHz/1V
SAM7070R22MESL				0.22	uH	±20%	2.5	2.8	23,000	34,000	100KHz/1V
SAM7070R33MESL				0.33	uH	±20%	3.0	3.5	21,000	25,000	100KHz/1V
SAM7070R47MESL				0.47	uH	±20%	3.5	4.1	18,000	20,000	100KHz/1V
SAM7070R56MESL				0.56	uH	±20%	3.9	4.5	16,500	18,000	100KHz/1V
SAM7070R68MESL				0.68	uH	±20%	4.5	5.0	16,000	17,000	100KHz/1V
SAM7070R82MESL				0.82	uH	±20%	7.0	7.5	14,000	16,000	100KHz/1V
SAM70701R0MESL				1.00	uH	±20%	8.5	9.0	12,000	15,000	100KHz/1V
SAM70701R5MESL				1.50	uH	±20%	10.6	12.1	10,000	13,000	100KHz/1V
SAM70702R2MESL				2.20	uH	±20%	15.5	18.0	8,000	10,000	100KHz/1V
SAM70703R3MESL				3.30	uH	±20%	25.0	28.0	6,500	9,000	100KHz/1V
SAM70704R7MESL				4.70	uH	±20%	32.5	35.0	5,500	6,500	100KHz/1V

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DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA) Max.	Saturation Current I _{sat} (mA) Max.	Measuring Condition			
	Length	Width		Value	Unit		Typ.	Max.						
SAM70705R6MESL	7.20	6.60	3.00	5.60	uH	±20%	36.0	42.0	5,000	6,250	100KHz/1V			
SAM70706R8MESL				6.80	uH	±20%	43.9	50.0	4,500	6,000	100KHz/1V			
SAM70708R2MESL				8.20	uH	±20%	54.0	60.0	4,500	6,000	100KHz/1V			
SAM7070100MESL				10.00	uH	±20%	62.0	68.0	4,000	5,500	100KHz/1V			
SAM7070150MESL				15.00	uH	±20%	105.0	125.0	3,000	4,000	100KHz/1V			
SAM7070220MESL				22.00	uH	±20%	144.0	160.0	2,500	3,000	100KHz/1V			
SAM7070330MESL				33.00	uH	±20%	230.0	255.0	2,000	3,300	100KHz/1V			
SAM7070470MESL				47.00	uH	±20%	285.0	320.0	1,750	2,450	100KHz/1V			
SAM7070R10NELL				7.20	6.60	3.00	0.10	uH	±20%	1.5	1.7	32,500	60,000	100KHz/1V
SAM7070R15NELL	0.15	uH	±20%				1.5	1.8	24,000	41,000	100KHz/1V			
SAM7070R22MELL	0.22	uH	±20%				2.5	2.8	23,000	34,000	100KHz/1V			
SAM7070R33MELL	0.33	uH	±20%				3.0	3.5	21,000	25,000	100KHz/1V			
SAM7070R47MELL	0.47	uH	±20%				3.5	4.1	18,000	20,000	100KHz/1V			
SAM7070R56MELL	0.56	uH	±20%				3.9	4.5	16,500	18,000	100KHz/1V			
SAM7070R68MELL	0.68	uH	±20%				4.5	5.0	16,000	17,000	100KHz/1V			
SAM7070R82MELL	0.82	uH	±20%				7.0	7.5	14,000	16,000	100KHz/1V			
SAM70701R0MELL	1.00	uH	±20%				8.5	9.0	12,000	15,000	100KHz/1V			
SAM70701R5MELL	1.50	uH	±20%				10.6	12.1	10,000	13,000	100KHz/1V			
SAM70702R2MELL	2.20	uH	±20%				15.5	18.0	8,000	10,000	100KHz/1V			
SAM70703R3MELL	3.30	uH	±20%				25.0	28.0	6,500	9,000	100KHz/1V			
SAM70704R7MELL	4.70	uH	±20%				32.5	35.0	5,500	6,500	100KHz/1V			
SAM70705R6MELL	5.60	uH	±20%				36.0	42.0	5,000	6,250	100KHz/1V			
SAM70706R8MELL	6.80	uH	±20%				43.9	50.0	4,500	6,000	100KHz/1V			
SAM70708R2MELL	8.20	uH	±20%				54.0	60.0	4,500	6,000	100KHz/1V			
SAM7070100MELL	10.00	uH	±20%				62.0	68.0	4,000	5,500	100KHz/1V			
SAM7070150MELL	15.00	uH	±20%				105.0	125.0	3,000	4,000	100KHz/1V			
SAM7070220MELL	22.00	uH	±20%				144.0	160.0	2,500	3,000	100KHz/1V			
SAM7070330MELL	33.00	uH	±20%				230.0	255.0	2,000	3,300	100KHz/1V			
SAM7070470MELL	47.00	uH	±20%				285.0	320.0	1,750	2,450	100KHz/1V			
SAM70706R8MESN	7.20	6.60	4.00				6.80	uH	±20%	38.0	46.0	4,700	7,500	100KHz/1V
SAM7070330MESN	7.20	6.60	4.00				33.00	uH	±20%	190.0	228.0	2,500	3,000	100KHz/1V
SAM70706R8MELN							6.80	uH	±20%	38.0	46.0	4,700	7,500	100KHz/1V
SAM7070330MELN	33.00	uH	±20%	190.0	228.0	2,500	3,000	100KHz/1V						
SAM7070R36MESQ	7.20	6.60	5.00	0.36	uH	±20%	2.7	3.1	21,000	25,000	100KHz/1V			
SAM7070R68MESQ				0.68	uH	±20%	3.3	3.6	18,000	17,000	100KHz/1V			
SAM70701R0MESQ				1.00	uH	±20%	4.5	5.3	14,500	16,000	100KHz/1V			
SAM70701R5MESQ				1.50	uH	±20%	6.0	7.5	11,500	15,000	100KHz/1V			
SAM70702R2MESQ				2.20	uH	±20%	9.0	10.5	10,500	13,500	100KHz/1V			
SAM70703R3MESQ				3.30	uH	±20%	14.0	15.0	9,000	10,000	100KHz/1V			
SAM70704R7MESQ				4.70	uH	±20%	23.0	25.0	6,500	8,000	100KHz/1V			
SAM70706R8MESQ				6.80	uH	±20%	31.5	35.5	5,500	6,500	100KHz/1V			
SAM7070100MESQ				10.00	uH	±20%	42.0	50.0	4,500	5,000	100KHz/1V			
SAM7070150MESQ				15.00	uH	±20%	76.0	85.0	3,800	4,600	100KHz/1V			
SAM7070220MESQ				22.00	uH	±20%	105.0	120.0	3,000	3,700	100KHz/1V			
SAM7070330MESQ				33.00	uH	±20%	130.0	145.0	2,800	3,200	100KHz/1V			
SAM7070470MESQ				47.00	uH	±20%	162.0	178.0	2,300	2,500	100KHz/1V			
SAM7070560MESQ				56.00	uH	±20%	235.0	290.0	1,800	2,200	100KHz/1V			
SAM7070680MESQ				68.00	uH	±20%	280.0	320.0	1,700	2,400	100KHz/1V			
SAM7070R36MELQ				7.20	6.60	5.00	0.36	uH	±20%	2.7	3.1	21,000	25,000	100KHz/1V
SAM7070R68MELQ	0.68	uH	±20%				3.3	3.6	18,000	17,000	100KHz/1V			
SAM70701R0MELQ	1.00	uH	±20%				4.5	5.3	14,500	16,000	100KHz/1V			
SAM70701R5MELQ	1.50	uH	±20%				6.0	7.5	11,500	15,000	100KHz/1V			
SAM70702R2MELQ	2.20	uH	±20%				9.0	10.5	10,500	13,500	100KHz/1V			
SAM70703R3MELQ	3.30	uH	±20%				14.0	15.0	9,000	10,000	100KHz/1V			
SAM70704R7MELQ	4.70	uH	±20%				23.0	25.0	6,500	8,000	100KHz/1V			
SAM70706R8MELQ	6.80	uH	±20%				31.5	35.5	5,500	6,500	100KHz/1V			
SAM7070100MELQ	10.00	uH	±20%				42.0	50.0	4,500	5,000	100KHz/1V			
SAM7070150MELQ	15.00	uH	±20%				76.0	85.0	3,800	4,600	100KHz/1V			
SAM7070220MELQ	22.00	uH	±20%				105.0	120.0	3,000	3,700	100KHz/1V			
SAM7070330MELQ	33.00	uH	±20%				130.0	145.0	2,800	3,200	100KHz/1V			
SAM7070470MELQ	47.00	uH	±20%				162.0	178.0	2,300	2,500	100KHz/1V			
SAM7070560MELQ	56.00	uH	±20%				235.0	290.0	1,800	2,200	100KHz/1V			
SAM7070680MELQ	68.00	uH	±20%				280.0	320.0	1,700	2,400	100KHz/1V			

- ※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.
- ※ SAM7070_ELL、SAM7070_ELN、SAM7070_ELQ : Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 40% from initial value.
- ※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

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● SAM8080

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SAM80802R2MESW	8.70	8.20	5.50	2.20	uH	±20%	6.0	7.2	14,000	13,500	16,700	14,300	100KHz/1V
SAM80804R7MESW				4.70	uH	±20%	12.3	15.0	8,900	8,000	13,500	11,500	100KHz/1V
SAM80806R8MESW				6.80	uH	±20%	20.0	24.0	6,800	6,500	11,500	9,500	100KHz/1V
SAM8080100MESW				10.0	uH	±20%	32.0	36.0	6,100	5,900	8,800	7,300	100KHz/1V
SAM8080150MESW				15.0	uH	±20%	44.0	52.8	4,900	4,400	6,300	5,100	100KHz/1V
SAM8080220MESW				22.00	uH	±20%	56.0	67.0	4,300	4,200	6,200	5,200	100KHz/1V
SAM8080330MESW				33.00	uH	±20%	100.0	115.0	3,600	3,400	5,300	4,300	100KHz/1V
SAM8080101MESW				100.00	uH	±20%	285.0	315.0	2,000	1,900	2,900	2,400	100KHz/1V
SAM80802R2MELW	8.70	8.20	5.50	2.20	uH	±20%	6.0	7.2	14,000	13,500	16,700	14,300	100KHz/1V
SAM80804R7MELW				4.70	uH	±20%	12.3	15.0	8,900	8,000	13,500	11,500	100KHz/1V
SAM80806R8MELW				6.80	uH	±20%	20.0	24.0	6,800	6,500	11,500	9,500	100KHz/1V
SAM8080100MELW				10.00	uH	±20%	32.0	36.0	6,100	5,900	8,800	7,300	100KHz/1V
SAM8080150MELW				15.00	uH	±20%	44.0	52.8	4,900	4,400	6,300	5,100	100KHz/1V
SAM8080220MELW				22.00	uH	±20%	56.0	67.0	4,300	4,200	6,200	5,200	100KHz/1V
SAM8080330MELW				33.00	uH	±20%	110.0	115.0	3,600	3,400	5,300	4,300	100KHz/1V
SAM8080101MELW				100.00	uH	±20%	285.0	315.0	2,000	1,900	2,900	2,400	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ SAM8080_ELW : Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 40% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SAM1010

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition			
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.		Max.		
SAM1010R47METN	11.20	10.00	4.00	0.47	uH	±20%	2.5	3.0	--	21,000	--	35,000	100KHz/1V			
SAM1010R68METN				0.68	uH	±20%	3.0	3.3	--	18,000	--	29,000	100KHz/1V			
SAM10101R0METN				1.00	uH	±20%	3.3	3.6	--	17,000	--	28,000	100KHz/1V			
SAM10101R2METN				1.20	uH	±20%	4.5	5.4	--	16,000	--	22,000	100KHz/1V			
SAM10101R5METN				1.50	uH	±20%	4.7	5.6	--	15,000	--	21,000	100KHz/1V			
SAM10102R2MESN	11.20	10.00	4.00	2.20	uH	±20%	6.0	7.0	--	12,000	--	18,000	100KHz/1V			
SAM10103R3MESN				3.30	uH	±20%	10.8	11.8	--	10,000	--	16,000	100KHz/1V			
SAM10104R7MESN				4.70	uH	±20%	17.0	20.0	--	8,500	--	15,000	100KHz/1V			
SAM10105R6MESN				5.60	uH	±20%	20.0	23.0	--	8,000	--	14,000	100KHz/1V			
SAM10106R8MESN				6.80	uH	±20%	22.5	25.0	--	7,000	--	12,000	100KHz/1V			
SAM10108R2MESN				8.20	uH	±20%	25.0	27.0	--	6,500	--	9,000	100KHz/1V			
SAM1010100MESN				10.00	uH	±20%	27.0	30.0	--	6,500	--	8,500	100KHz/1V			
SAM1010150MESN				15.00	uH	±20%	40.0	45.0	--	6,300	--	7,000	100KHz/1V			
SAM1010220MESN				22.00	uH	±20%	60.0	66.0	--	5,000	--	5,500	100KHz/1V			
SAM1010330MESN				33.00	uH	±20%	85.0	92.0	--	4,000	--	4,500	100KHz/1V			
SAM1010470MESN				47.00	uH	±20%	130.0	145.0	--	3,300	--	3,500	100KHz/1V			
SAM1010680MESN				68.00	uH	±20%	178.0	195.0	--	2,300	--	3,000	100KHz/1V			
SAM1010101MESN				100.00	uH	±20%	240.0	288.0	--	2,200	--	2,500	100KHz/1V			
SAM1010R47MELN				11.20	10.00	4.00	0.47	uH	±20%	2.5	3.0	--	21,000	--	35,000	100KHz/1V
SAM1010R68MELN							0.68	uH	±20%	3.0	3.3	--	18,000	--	29,000	100KHz/1V
SAM10101R0MELN	1.00	uH	±20%				3.3	3.6	--	17,000	--	28,000	100KHz/1V			
SAM10101R2MELN	1.20	uH	±20%				4.5	5.4	--	16,000	--	22,000	100KHz/1V			
SAM10101R5MELN	1.50	uH	±20%				4.7	5.6	--	15,000	--	21,000	100KHz/1V			
SAM10102R2MELN	2.20	uH	±20%				6.0	7.0	--	12,000	--	18,000	100KHz/1V			
SAM10103R3MELN	3.30	uH	±20%				10.8	11.8	--	10,000	--	16,000	100KHz/1V			
SAM10104R7MELN	4.70	uH	±20%				17.0	20.0	--	8,500	--	15,000	100KHz/1V			
SAM10105R6MELN	5.60	uH	±20%				20.0	23.0	--	8,000	--	14,000	100KHz/1V			
SAM10106R8MELN	6.80	uH	±20%				22.5	25.0	--	7,000	--	12,000	100KHz/1V			
SAM10108R2MELN	8.20	uH	±20%				25.0	27.0	--	6,500	--	9,000	100KHz/1V			
SAM1010100MELN	10.00	uH	±20%				27.0	30.0	--	6,500	--	8,500	100KHz/1V			
SAM1010150MELN	15.00	uH	±20%				40.0	45.0	--	6,300	--	7,000	100KHz/1V			
SAM1010220MELN	22.00	uH	±20%				60.0	66.0	--	5,000	--	5,500	100KHz/1V			
SAM1010330MELN	33.00	uH	±20%				85.0	92.0	--	4,000	--	4,500	100KHz/1V			
SAM1010470MELN	47.00	uH	±20%				130.0	145.0	--	3,300	--	3,500	100KHz/1V			
SAM1010680MELN	68.00	uH	±20%				178.0	195.0	--	2,300	--	3,000	100KHz/1V			
SAM1010101MELN	100.00	uH	±20%				240.0	288.0	--	2,200	--	2,500	100KHz/1V			
SAM10106R8MESW	11.20	10.00	5.50				6.80	uH	±20%	13.0	17.0	9,600	9,500	16,500	13,500	100KHz/1V
SAM1010100MESW							10.00	uH	±20%	21.0	24.2	8,700	7,800	13,000	11,000	100KHz/1V
SAM1010150MESW							15.00	uH	±20%	30.0	33.5	6,700	6,400	9,700	8,200	100KHz/1V
SAM1010220MESW							22.00	uH	±20%	47.0	53.0	6,000	5,400	8,800	7,200	100KHz/1V
SAM1010330MESW							33.00	uH	±20%	67.0	77.1	4,500	4,200	6,200	5,200	100KHz/1V

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.) https://www.darfon.com.tw/Component_Integration/en/

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SAM1010470MESW	11.20	10.00	5.50	47.00	uH	±20%	98.0	114.0	4,100	3,600	4,900	4,200	100KHz/1V
SAM1010680MESW				68.00	uH	±20%	132.0	152.0	3,300	3,000	4,800	4,000	100KHz/1V
SAM1010101MESW				100.00	uH	±20%	200.0	230.0	2,800	2,500	3,600	3,000	100KHz/1V
SAM10106R8MELW	11.20	10.00	5.50	6.80	uH	±20%	13.0	17.0	9,600	9,500	16,500	13,500	100KHz/1V
SAM1010100MELW				10.00	uH	±20%	21.0	24.2	8,700	7,800	13,000	11,000	100KHz/1V
SAM1010150MELW				15.00	uH	±20%	30.0	33.5	6,700	6,400	9,700	8,200	100KHz/1V
SAM1010220MELW				22.00	uH	±20%	47.0	53.0	6,000	5,400	8,800	7,200	100KHz/1V
SAM1010330MELW				33.00	uH	±20%	67.0	77.1	4,500	4,200	6,200	5,200	100KHz/1V
SAM1010470MELW				47.00	uH	±20%	98.0	114.0	4,100	3,600	4,900	4,200	100KHz/1V
SAM1010101MELW				100.00	uH	±20%	200.0	230.0	2,800	2,500	3,600	3,000	100KHz/1V

- ※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.
- ※ SAM1010_ELN · SAM1010_ELW : Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 40% from initial value.
- ※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SAM1313

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)	Saturation Current I _{sat} (mA)	Measuring Condition			
	Length	Width		Max.	Value		Unit	Typ.				Max.		
SAM1313R68METQ	13.90	12.8	5.00	0.68	uH	±20%	2.5	3.0	23,000	38,000	100KHz/1V			
SAM13131R0METQ				1.00	uH	±20%	3.0	3.6	22,000	28,000	100KHz/1V			
SAM13131R5METQ				1.50	uH	±20%	3.5	4.2	18,500	23,000	100KHz/1V			
SAM13132R2MESQ	13.90	12.80	5.00	2.20	uH	±20%	4.0	5.0	15,000	24,000	100KHz/1V			
SAM13133R3MESQ				3.30	uH	±20%	5.9	7.0	14,000	22,000	100KHz/1V			
SAM13134R7MESQ				4.70	uH	±20%	8.5	10.5	13,000	19,000	100KHz/1V			
SAM13136R8MESQ				6.80	uH	±20%	13.0	15.5	12,000	14,000	100KHz/1V			
SAM1313100MESQ				10.00	uH	±20%	19.0	22.0	9,000	12,000	100KHz/1V			
SAM1313150MESQ				15.00	uH	±20%	26.0	31.0	5,900	8,400	100KHz/1V			
SAM1313220MESQ				22.00	uH	±20%	51.0	58.0	4,500	6,500	100KHz/1V			
SAM13132R2MESR				13.90	12.80	6.00	2.20	uH	±20%	3.8	4.1	21,000	25,000	100KHz/1V
SAM13133R3MESR	3.30	uH	±20%				5.3	6.4	17,000	22,000	100KHz/1V			
SAM13134R7MESR	4.70	uH	±20%				7.2	9.0	16,000	18,000	100KHz/1V			
SAM13136R8MESR	6.80	uH	±20%				9.5	12.0	12,000	15,000	100KHz/1V			
SAM13138R2MESR	8.20	uH	±20%				13.6	16.0	11,000	13,500	100KHz/1V			
SAM1313100MESR	10.00	uH	±20%				18.0	20.7	10,000	12,500	100KHz/1V			
SAM1313120MESR	12.00	uH	±20%				20.0	23.0	7,000	10,000	100KHz/1V			
SAM1313150MESR	15.00	uH	±20%				25.0	29.0	6,000	9,000	100KHz/1V			
SAM1313220MESR	22.00	uH	±20%				34.0	39.5	5,000	7,500	100KHz/1V			
SAM1313270MESR	27.00	uH	±20%				49.0	56.0	4,500	6,500	100KHz/1V			
SAM1313330MESR	33.00	uH	±20%				65.0	75.0	4,000	6,000	100KHz/1V			
SAM1313470MESR	47.00	uH	±20%				80.0	90.0	3,500	5,500	100KHz/1V			
SAM1313680MESR	68.00	uH	±20%				120.0	140.0	3,000	4,500	100KHz/1V			
SAM1313101MESR	100.00	uH	±20%				180.0	200.0	2,500	3,500	100KHz/1V			
SAM1313121MESR	120.00	uH	±20%				185.0	220.0	2,900	3,700	100KHz/1V			
SAM1313151MESR	150.00	uH	±20%				250.0	300.0	2,200	2,700	100KHz/1V			
SAM13133R3MELR	13.90	12.80	6.00				3.30	uH	±20%	5.3	6.4	17,000	22,000	100KHz/1V
SAM13134R7MELR							4.70	uH	±20%	7.2	9.0	16,000	18,000	100KHz/1V
SAM13136R8MELR				6.80	uH	±20%	9.5	12.0	12,000	15,000	100KHz/1V			
SAM13138R2MELR				8.20	uH	±20%	13.6	16.0	11,000	13,500	100KHz/1V			
SAM1313100MELR				10.00	uH	±20%	18.0	20.7	10,000	12,500	100KHz/1V			
SAM1313120MELR				12.00	uH	±20%	20.0	23.0	7,000	10,000	100KHz/1V			
SAM1313150MELR				15.00	uH	±20%	25.0	29.0	6,000	9,000	100KHz/1V			
SAM1313220MELR				22.00	uH	±20%	34.0	39.5	5,000	7,500	100KHz/1V			
SAM1313270MELR				27.00	uH	±20%	49.0	56.0	4,500	6,500	100KHz/1V			
SAM1313330MELR				33.00	uH	±20%	65.0	75.0	4,000	6,000	100KHz/1V			
SAM1313470MELR				47.00	uH	±20%	80.0	90.0	3,500	5,500	100KHz/1V			
SAM1313680MELR				68.00	uH	±20%	120.0	140.0	3,000	4,500	100KHz/1V			
SAM1313101MELR				100.00	uH	±20%	180.0	200.0	2,500	3,500	100KHz/1V			
SAM1313121MELR				120.00	uH	±20%	185.0	220.0	2,900	3,700	100KHz/1V			
SAM1313151MELR				150.00	uH	±20%	250.0	300.0	2,200	2,700	100KHz/1V			

- ※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.
- ※ SAM1313_ELR : Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 40% from initial value.
- ※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

■ Part Number & Characteristic (High Efficiency Molding for Automotive) (AIM Series)

● AIM1313

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
AIM1313220MESN	13.90	12.80	4.00	22.00	uH	±20%	42.5	52.5	6,100	6,000	9,500	7,500	100KHz/1V
AIM1313330MESN				33.00	uH	±20%	63.0	73.0	5,100	5,000	7,300	6,000	100KHz/1V
AIM1313101MESN				100.00	uH	±20%	215.0	230.0	2,600	2,400	3,800	3,100	100KHz/1V
AIM1313220MESR	13.90	12.80	6.00	22.00	uH	±20%	29.0	34.0	7,700	7,200	11,000	9,500	100KHz/1V
AIM1313330MESR				33.00	uH	±20%	43.0	51.0	6,500	6,000	9,000	7,500	100KHz/1V
AIM1313470MESR				47.00	uH	±20%	60.0	70.0	5,300	4,800	7,800	6,500	100KHz/1V
AIM1313101MESR				100.00	uH	±20%	130.0	155.0	3,700	3,500	5,300	4,500	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

■ Part Number & Characteristic (Double Molding for Automotive) (ACM Series)

● ACM7070

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
ACM70704R7MESR	7.70	7.20	6.00	4.70	uH	±20%	29.0	35.0	4,900	4,800	11,500	9,500	100KHz/1V
ACM7070100MESR				10.0	uH	±20%	60.0	72.0	3,800	3,500	7,000	5,800	100KHz/1V
ACM7070150MESR				15.0	uH	±20%	75.0	90.0	3,700	3,400	6,000	5,100	100KHz/1V
ACM7070220MESR				22.0	uH	±20%	112.0	134.0	2,600	2,400	4,800	4,000	100KHz/1V
ACM7070330MESR				33.0	uH	±20%	180.0	210.0	2,400	2,300	4,600	3,600	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● ACM1010

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
ACM1010100MESY	10.80	10.0	8.00	10.0	uH	±20%	23.0	27.0	6,800	6,600	11,500	9,400	100KHz/1V
ACM1010150MESY				15.0	uH	±20%	34.0	40.8	6,000	5,800	9,200	7,800	100KHz/1V
ACM1010220MESY				22.0	uH	±20%	54.0	63.0	4,700	4,600	9,000	7,500	100KHz/1V
ACM1010470MESY				47.0	uH	±20%	108.0	129.6	3,300	3,100	5,800	4,900	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● ACM1313

DARFON P/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current I _{dc} (mA)		Saturation Current I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
ACM1313100MESS	12.00	12.00	6.50	10.0	uH	±20%	25.0	30.0	7,200	7,000	11,000	9,000	100KHz/1V
ACM1313220MESS				22.0	uH	±20%	37.5	45.0	5,800	5,500	9,200	7,800	100KHz/1V
ACM1313330MESS				33.0	uH	±20%	55.0	64.0	4,750	4,500	8,200	6,700	100KHz/1V
ACM1313100MESY	12.00	12.00	8.00	10.0	uH	±20%	85.0	95.0	3,900	3,700	5,800	4,700	100KHz/1V
ACM1313150MESY				15.0	uH	±20%	20.0	24.0	7,700	7,500	12,500	10,500	100KHz/1V
ACM1313220MESV	12.00	12.00	9.00	22.00	uH	±20%	30.0	35.0	6,900	6,600	10,200	8,400	100KHz/1V
ACM1313330MESV				33.00	uH	±20%	37.5	45.0	6,400	6,200	9,200	7,700	100KHz/1V
ACM1313220MESO	12.00	12.00	10.00	22.0	uH	±20%	56.0	67.0	5,100	4,900	7,600	6,400	100KHz/1V
ACM1313330MESO				33.0	uH	±20%	33.0	40.0	6,600	6,500	8,800	7,400	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

Coating Inductors (SPS / SPN Series)

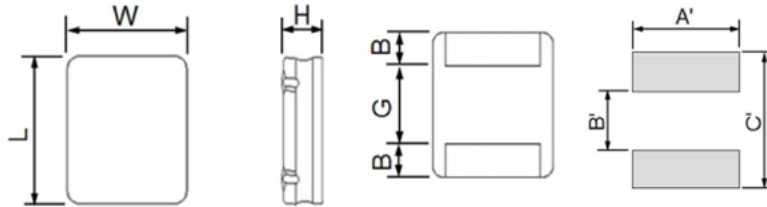
■ Feature

1. Small and low profile inductor
2. It corresponds to high current
3. Simple and original magnetic shield structure

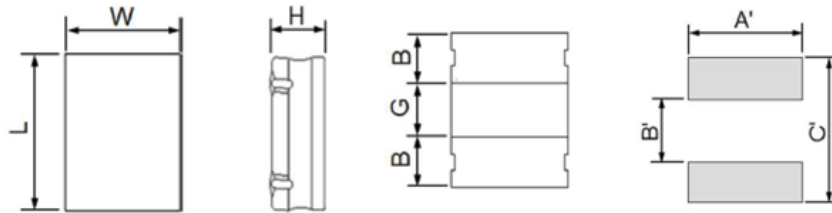
■ Application

For small DC/DC converter (HDD, DVC, DSC, LCD display, notebook, tablet, Bluetooth earphone, cellular phones)

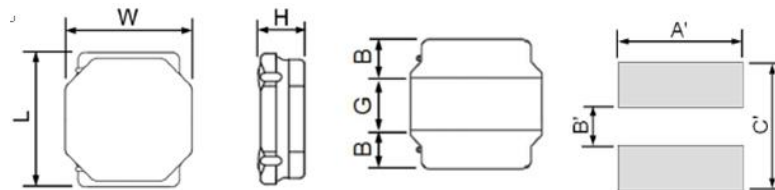
■ External Dimension



Series	L (mm)	W (mm)	H (mm)	B (mm)	G (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPS2016□□□□PCA	2.0±0.3	1.6±0.3	1.0+0.1/-0.2	0.6±0.2	0.8±0.3	1.6	0.6	2.4	7"	3,000
SPS2520□□□□PCA	2.5±0.3	2.0±0.3	1.0+0.1/-0.2	0.85±0.2	0.95±0.3	2.2	0.6	2.6	7"	3,000

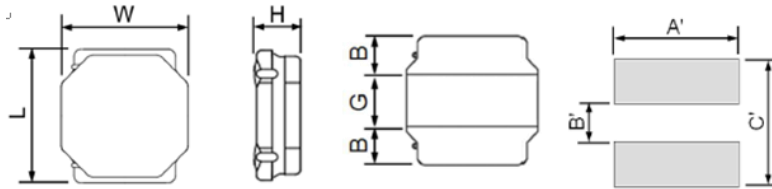


Series	L (mm)	W (mm)	H (mm)	B (mm)	G (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPS2520□□□□PCC	2.5±0.3	2.0±0.3	1.2+0.1/-0.2	0.85±0.2	0.8±0.3	2.1	0.8	2.6	7"	3,000
SPN2016□□□□PSA	2.0±0.3	1.6±0.3	1.0+0.1/-0.2	0.77±0.2	0.6±0.3	1.6	0.3	2.4	7"	2,000
SPN2520□□□□PSA	2.5±0.3	2.0±0.3	1.0+0.1/-0.2	0.9±0.3	0.85±0.35	2.1	0.6	2.8	7"	2,000
SPN2520□□□□PSC	2.5±0.3	2.0±0.3	1.2+0.1/-0.2	0.85±0.2	0.85±0.35	2.1	0.6	2.8	7"	2,000

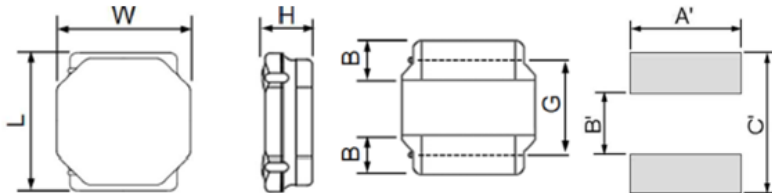


Series	L (mm)	W (mm)	H (mm)	B (mm)	G (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPS3030□□□□PCA	3.0±0.2	3.0±0.2	1.2+0.1/-0.2	0.9±0.2	1.2±0.3	2.7	1.1	3.1	7"	2,000
SPS4040□□□□PCA	4.0±0.2	4.0±0.2	1.0MAX	1.1±0.4	2.5±0.4	3.7	1.6	4.1	7"	1,000
SPS4040□□□□PCH	4.1±0.2	4.1±0.2	2.1Max	1.2±0.3	1.6±0.4	4.1	1.6	4.1	7"	700
SPN3030□□□□P_A	3.0±0.2	3.0±0.2	1.0+0.1/-0.2	1.0±0.3	1.0±0.3	2.7	0.8	3.0	7"	3,000
SPN3030□□□□PSC	3.0±0.2	3.0±0.2	1.3MAX	0.9±0.2	1.2±0.3	2.7	0.7	3.5	7"	2,000
SPN3030□□□□PSE	3.0±0.2	3.0±0.2	1.5±0.2	0.9±0.2	1.2±0.3	2.7	0.7	3.5	7"	2,000
SPN4040□□□□ESC	4.0±0.2	4.0±0.2	1.2Max	1.05±0.4	1.9±0.4	4.1	1.9	4.1	13"	4,500
SPN4040□□□□ESG	4.0±0.2	4.0±0.2	1.8MAX	1.2±0.4	1.6±0.4	4.1	1.5	4.1	13"	3,500

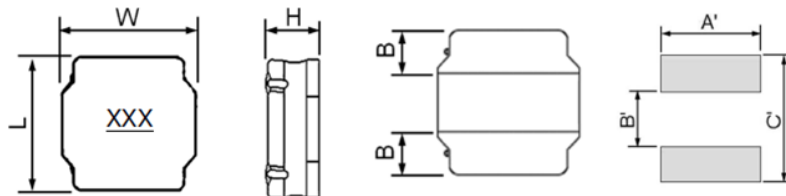
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Series	L (mm)	W (mm)	H (mm)	B (mm)	G (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPN4040□□□□ESL	4.0±0.3	4.0±0.3	3.1MAX	1.3±0.4	1.45±0.45	4.1	0.8	4.1	13"	2,000
SPN5050□□□□PSH	5.0±0.2	5.0±0.2	2.0±0.2	1.3±0.5	2.0±0.4	4.7	1.5	5.5	7"	800
SPN5050□□□□ESN	5.0±0.2	5.0±0.2	4.0+0.1/-0.3	1.7±0.3	1.8±0.4	4.7	1.1	5.5	13"	1,500
SPN6060□□□□MPSC	6.0±0.3	6.0±0.3	1.2+0.1/-0.2	1.7±0.4	2.6±0.4	5.7	1.9	6.7	7"	1,000
SPN6060□□□□ESH	6.0±0.2	6.0±0.2	2.0Max	1.6±0.4	2.4±0.4	5.7	3.1	6.3	13"	2,500
SPN6060□□□□ESK	6.0±0.2	6.0±0.2	2.8Max	1.6±0.4	2.6±0.4	5.7	3.1	6.3	13"	1,500
SPN6060□□□□ESP	6.0±0.2	6.0±0.2	4.5Max	1.8±0.4	2.3±0.4	5.7	3.1	6.3	13"	1,500
SPN8080□□□□ESN	8.0±0.2	8.0±0.2	4.2Max	2.1±0.4	3.8±0.4	7.7	3.8	8.0	13"	1,000



Series	L (mm)	W (mm)	H (mm)	B (mm)	G (mm)	Recommended Land Patterns			Package	
						A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPS3030□□□□PCC	3.0±0.2	3.0±0.2	1.2 MAX	0.9±0.2	1.9±0.2	2.7	1.2	3.2	7"	2,000
SPS4040□□□□PCC	4.0±0.2	4.0±0.2	1.2Max	1.1±0.2	2.5±0.2	3.7	1.6	4.1	7"	1,000



Series	L (mm)	W (mm)	H (mm)	B (mm)	Recommended Land Patterns			Package	
					A' (mm)	B' (mm)	C' (mm)	Reel	Amount (pcs)
SPN6060□□□□NPSC	6.0±0.2	6.0±0.2	1.2±0.1	1.35±0.2	5.7	3.1	6.3	7"	1,000

*New Series

For some special parts, please see the "Part Number & Characteristic" for detail specification

■ Part Numbers & Characteristic(SPS Series for Metal Coating)

● SPS2016

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPS2016R47NPCA	2.00	1.60	1.00	0.47	uH	± 30%	40.0	48.0	3,600	3,400	4,300	3,600	1MHz/1V
SPS2016R68NPCA				0.68	uH	± 30%	47.0	56.0	2,850	2,600	3,600	3,000	1MHz/1V
SPS2016R0NPCA				1.00	uH	± 30%	63.0	75.0	2,700	2,500	3,000	2,400	1MHz/1V
SPS2016R5NPCA				1.50	uH	± 30%	100.0	120.0	2,250	2,150	2,150	1,800	1MHz/1V
SPS2016R2MPCA				2.20	uH	± 20%	135.0	160.0	1,750	1,600	1,850	1,550	1MHz/1V
SPS2016R3MPCA				3.30	uH	± 20%	193.0	230.0	1,700	1,500	1,500	1,250	1MHz/1V
SPS2016R7MPCA				4.70	uH	± 20%	280.0	340.0	1,300	1,250	1,200	1,000	1MHz/1V
SPS2016R8MPCA				6.80	uH	± 20%	450.0	540.0	1,020	970	1,000	840	1MHz/1V
SPS2016R100MPCA				10.00	uH	± 20%	570.0	685.0	950	900	900	750	1MHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPS2520

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPS2520R47NPCA	2.50	2.00	1.00	0.47	uH	± 30%	55.0	65.0	3,100	3,000	5,500	4,000	1MHz/1V
SPS2520R47MPCA				0.47	uH	± 20%	55.0	65.0	3,100	3,000	5,500	4,000	1MHz/1V
SPS2520R68NPCA				0.68	uH	± 30%	52.0	62.0	3,100	2,700	4,400	4,050	1MHz/1V
SPS2520R0NPCA				1.00	uH	± 30%	67.0	80.0	2,950	2,550	4,100	3,350	1MHz/1V
SPS2520R5NPCA				1.50	uH	± 30%	88.0	106.0	2,250	1,950	3,450	2,850	1MHz/1V
SPS2520R2MPCA				2.20	uH	± 20%	124.0	150.0	1,850	1,550	3,200	2,600	1MHz/1V
SPS2520R3MPCA				3.30	uH	± 20%	185.0	222.0	1,450	1,250	2,500	2,100	1MHz/1V
SPS2520R47MPCA				4.70	uH	± 20%	240.0	290.0	1,300	1,100	2,150	1,750	1MHz/1V
SPS2520R8MPCA				6.80	uH	± 20%	360.0	435.0	1,150	960	1,700	1,400	1MHz/1V
SPS2520R100MPCA				10.00	uH	± 20%	440.0	530.0	960	850	1,550	1,280	1MHz/1V
SPS2520R47NPCC	2.50	2.00	1.20	0.47	uH	± 30%	28.5	34.5	4,600	4,200	5,500	4,600	1MHz/1V
SPS2520R68NPCC				0.68	uH	± 30%	33.5	40.2	3,900	3,400	4,000	3,300	1MHz/1V
SPS2520R0NPCC				1.00	uH	± 30%	46.5	55.5	3,500	3,200	3,700	3,000	1MHz/1V
SPS2520R2NPCC				1.20	uH	± 30%	57.0	68.5	3,400	3,150	3,550	2,950	1MHz/1V
SPS2520R5NPCC				1.50	uH	± 30%	66.5	80.0	3,000	2,800	2,900	2,400	1MHz/1V
SPS2520R2MPCC				2.20	uH	± 20%	93.0	111.0	2,600	2,300	2,500	2,100	1MHz/1V
SPS2520R3MPCC				3.30	uH	± 20%	128.0	154.0	2,200	2,000	1,900	1,600	1MHz/1V
SPS2520R47MPCC				4.70	uH	± 20%	190.0	230.0	1,850	1,700	1,600	1,300	1MHz/1V
SPS2520R8MPCC				6.80	uH	± 20%	220.0	265.0	1,600	1,500	1,350	1,100	1MHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPS3030

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPS3030R47MPCA	3.00	3.00	1.00	0.47	uH	± 20%	33.0	39.0	4,500	3,900	6,500	5,400	1MHz/1V
SPS3030R0MPCA				1.00	uH	± 20%	74.0	86.0	2,800	2,400	5,200	4,400	1MHz/1V
SPS3030R5MPCA				1.50	uH	± 20%	87.0	100.0	2,400	2,100	3,500	3,000	1MHz/1V
SPS3030R2MPCA				2.20	uH	± 20%	125.0	144.0	2,200	1,900	3,000	2,500	1MHz/1V
SPS3030R3MPCA				3.30	uH	± 20%	215.0	248.0	1,500	1,350	2,400	2,000	1MHz/1V
SPS3030R47MPCA				4.70	uH	± 20%	300.0	345.0	1,300	1,150	2,000	1,700	1MHz/1V
SPS3030R8MPCA				6.80	uH	± 20%	380.0	437.0	1,150	1,000	1,700	1,400	1MHz/1V
SPS3030R100MPCA				10.00	uH	± 20%	500.0	575.0	1,000	850	1,300	1,100	1MHz/1V
SPS3030R33MPCC	3.00	3.00	1.20	0.33	uH	± 20%	17.0	20.0	6,400	5,500	8,700	6,400	1MHz/1V
SPS3030R47MPCC				0.47	uH	± 20%	23.0	27.0	5,500	4,700	7,500	6,300	1MHz/1V
SPS3030R0MPCC				1.00	uH	± 20%	43.0	50.0	3,900	3,300	5,100	4,300	1MHz/1V

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DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPS30301R5MPCC	3.00	3.00	1.20	1.50	uH	± 20%	64.0	74.0	3,000	2,500	4,100	3,400	1MHz/1V
SPS30302R2MPCC				2.20	uH	± 20%	97.0	112.0	2,400	2,100	3,600	2,800	1MHz/1V
SPS30303R3MPCC				3.30	uH	± 20%	145.0	167.0	1,900	1,650	2,700	2,100	1MHz/1V
SPS30304R7MPCC				4.70	uH	± 20%	228.0	263.0	1,550	1,350	2,300	1,800	1MHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPS4040

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition			
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.				
SPS4040R47MPCA	4.00	4.00	1.00	0.47	uH	± 20%	35.0	40.0	4,500	4,000	7,900	6,000	1MHz/1V			
SPS40401R0MPCA				1.00	uH	± 20%	60.0	69.0	3,500	3,000	5,700	4,700	1MHz/1V			
SPS40401R5MPCA				1.50	uH	± 20%	73.0	84.0	3,100	2,700	4,000	3,000	1MHz/1V			
SPS40402R2MPCA				2.20	uH	± 20%	100.0	115.0	2,700	2,400	3,100	2,400	1MHz/1V			
SPS40403R3MPCA				3.30	uH	± 20%	175.0	200.0	2,000	1,800	2,600	2,000	1MHz/1V			
SPS40404R7MPCA				4.70	uH	± 20%	220.0	250.0	1,900	1,600	2,300	1,900	1MHz/1V			
SPS40406R8MPCA				6.80	uH	± 20%	320.0	370.0	1,500	1,300	1,800	1,500	1MHz/1V			
SPS4040100MPCA				10.00	uH	± 20%	440.0	510.0	1,300	1,100	1,700	1,400	1MHz/1V			
SPS4040R47MPCC	4.00	4.00	1.20	0.47	uH	± 20%	25.0	29.0	5,400	4,600	10,000	7,500	1MHz/1V			
SPS40401R0MPCC				1.00	uH	± 20%	41.0	47.0	4,200	3,500	7,500	5,200	1MHz/1V			
SPS40401R2MPCC				1.20	uH	± 20%	41.0	47.0	4,200	3,500	6,200	4,200	1MHz/1V			
SPS40401R5MPCC				1.50	uH	± 20%	56.0	65.0	3,600	3,200	5,600	4,500	1MHz/1V			
SPS40402R2MPCC				2.20	uH	± 20%	69.0	79.0	3,200	2,800	4,500	3,800	1MHz/1V			
SPS40403R3MPCC				3.30	uH	± 20%	113.0	130.0	2,500	2,200	4,000	3,200	1MHz/1V			
SPS40404R7MPCC				4.70	uH	± 20%	140.0	160.0	2,200	1,900	3,000	2,500	1MHz/1V			
SPS40406R8MPCC				6.80	uH	± 20%	200.0	230.0	1,800	1,600	2,200	1,900	1MHz/1V			
SPS4040100MPCC				10.00	uH	± 20%	280.0	330.0	1,600	1,400	2,000	1,700	1MHz/1V			
SPS4040R33NPCH				4.10	4.10	2.10	0.33	uH	± 30%	11.0	13.0	8,100	7,000	21,000	16,000	1MHz/1V
SPS4040R47NPCH							0.47	uH	± 30%	11.0	13.0	8,100	7,000	15,000	10,000	1MHz/1V
SPS4040R68MPCH							0.68	uH	± 20%	14.0	16.0	6,000	5,200	12,000	8,000	1MHz/1V
SPS40401R0MPCH	1.00	uH	± 20%				23.5	28.0	5,100	4,400	9,400	7,000	1MHz/1V			
SPS40401R5MPCH	1.50	uH	± 20%				35.0	41.0	4,700	4,100	9,400	6,800	1MHz/1V			
SPS40402R2MPCH	2.20	uH	± 20%				47.0	54.0	4,000	3,500	7,500	5,400	1MHz/1V			
SPS40403R3MPCH	3.30	uH	± 20%				66.0	75.0	3,300	3,000	5,200	3,700	1MHz/1V			
SPS40404R7MPCH	4.70	uH	± 20%				93.0	107.0	2,800	2,500	5,000	3,500	1MHz/1V			
SPS40406R8MPCH	6.80	uH	± 20%				138.0	158.0	2,300	2,000	4,000	2,900	1MHz/1V			
SPS4040100MPCH	10.00	uH	± 20%				169.0	194.0	1,900	1,600	3,100	2,200	1MHz/1V			
SPS4040150MPCH	15.00	uH	± 20%				275.0	350.0	1,650	1,120	2,400	1,300	1MHz/1V			
SPS4040220MPCH	22.00	uH	± 20%				400.0	460.0	1,400	1,200	1,600	1,350	1MHz/1V			

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

■ Part Numbers & Characteristic (SPN Series for Ferrite Coating)

● SPN2016

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN2016R47NPSA	2.00	1.60	1.00	0.47	uH	± 30%	49.0	59.0	2,600	2,340	2,850	2,560	1MHz/1V
SPN2016R68NPSA				0.68	uH	± 30%	71.0	86.0	2,250	2,000	2,300	2,200	1MHz/1V
SPN20161R0NPSA				1.00	uH	± 30%	96.0	115.0	1,600	1,440	1,880	1,690	1MHz/1V
SPN20161R5NPSA				1.50	uH	± 30%	143.0	172.0	1,400	1,260	1,630	1,460	1MHz/1V
SPN20161R8NPSA				1.80	uH	± 30%	175.0	210.0	1,350	1,210	1,500	1,350	1MHz/1V
SPN20162R2MPSA				2.20	uH	± 20%	196.0	235.0	1,300	1,170	1,400	1,260	1MHz/1V
SPN20163R3MPSA				3.30	uH	± 20%	247.0	296.0	1,050	940	1,000	900	1MHz/1V

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DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN20164R7MPSA	2.00	1.60	1.00	4.70	uH	± 20%	370.0	444.0	900	810	850	760	1MHz/1V
SPN20166R8MPSA				6.80	uH	± 20%	664.0	797.0	600	540	800	720	1MHz/1V
SPN2016100MPSA				10.00	uH	± 20%	1108.0	1330.0	450	400	620	550	1MHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN2520

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN2520R50NPSA	2.50	2.00	1.00	0.50	uH	± 30%	32.0	38.0	2,670	2,400	3,300	3,000	1MHz/1V
SPN2520R68NPSA				0.68	uH	± 30%	49.0	59.0	2,400	2,160	2,700	2,430	1MHz/1V
SPN25201R0NPSA				1.00	uH	± 30%	68.0	82.0	1,980	1,780	2,400	2,200	1MHz/1V
SPN25201R5MPSA				1.50	uH	± 20%	95.0	114.0	1,800	1,490	1,750	1,580	1MHz/1V
SPN25202R2MPSA				2.20	uH	± 20%	136.0	163.0	1,680	1,260	1,550	1,390	1MHz/1V
SPN25203R3MPSA				3.30	uH	± 20%	207.0	248.0	990	1,040	1,300	1,170	1MHz/1V
SPN25204R7MPSA				4.70	uH	± 20%	269.0	323.0	810	890	1,200	1,080	1MHz/1V
SPN25206R8MPSA				6.80	uH	± 20%	404.0	485.0	720	730	850	770	1MHz/1V
SPN2520100MPSA				10.00	uH	± 20%	508.0	610.0	1,600	640	730	650	1MHz/1V
SPN2520R24NPSC	2.50	2.00	1.20	0.24	uH	± 30%	26.0	31.0	4,500	4,000	4,800	4,500	1MHz/1V
SPN2520R47NPSC				0.47	uH	± 30%	29.0	35.0	3,700	3,300	3,900	3,500	1MHz/1V
SPN2520R50NPSC				0.50	uH	± 30%	32.0	38.0	3,600	3,240	3,800	3,400	1MHz/1V
SPN2520R68NPSC				0.68	uH	± 30%	54.0	65.0	3,240	2,700	3,600	3,400	1MHz/1V
SPN25201R0NPSC				1.00	uH	± 30%	43.0	52.0	2,600	2,340	2,700	2,450	1MHz/1V
SPN25201R5MPSC				1.50	uH	± 20%	72.0	86.0	2,200	1,980	2,300	2,070	1MHz/1V
SPN25202R2MPSC				2.20	uH	± 20%	90.0	108.0	1,850	1,750	2,150	1,950	1MHz/1V
SPN25203R3MPSC				3.30	uH	± 20%	155.0	186.0	1,450	1,310	1,700	1,600	1MHz/1V
SPN25204R7MPSC				4.70	uH	± 20%	212.0	254.0	1,200	1,080	1,500	1,400	1MHz/1V
SPN25206R8MPSC				6.80	uH	± 20%	370.0	444.0	1,000	900	1,150	1,040	1MHz/1V
SPN2520100MPSC				10.00	uH	± 20%	750.0	900.0	750	680	850	700	1MHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN3030

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)	Saturation Current DC Amps. I _{sat} (mA)	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.			
SPN30302R2NPSA	3.00	3.00	1.10	2.20	uH	±30%	95.0	114.0	1,100	1,100	100KHz/1V
SPN30304R7MPSA				4.70	uH	±20%	265.0	293.0	900	750	100KHz/1V
SPN3030100MPCA	3.00	3.00	1.10	10.00	uH	±20%	450.0	540.0	540	540	100KHz/1V
SPN3301R0NPSC	3.00	3.00	1.30	1.00	uH	± 30%	40.0	52.0	2,200	1,870	100KHz/1V
SPN3301R5NPSC				1.50	uH	± 30%	45.0	58.5	2,010	1,620	100KHz/1V
SPN3302R2NPSC				2.20	uH	± 30%	75.0	97.5	1,550	1,200	100KHz/1V
SPN3303R3MPSC				3.30	uH	± 20%	100.0	130.0	1,360	1,050	100KHz/1V
SPN3304R7MPSC				4.70	uH	± 20%	150.0	195.0	1,240	900	100KHz/1V
SPN3306R8MPSC				6.80	uH	± 20%	190.0	247.0	980	750	100KHz/1V
SPN330100MPSC				10.00	uH	± 20%	320.0	416.0	830	600	100KHz/1V
SPN330150MPSC				15.00	uH	± 20%	360.0	468.0	710	450	100KHz/1V
SPN330220MPSC				22.00	uH	± 20%	645.0	838.5	530	420	100KHz/1V
SPN330330MPSC				33.00	uH	± 20%	875.0	1137.5	460	360	100KHz/1V
SPN330470MPSC				47.00	uH	± 20%	1450.0	1885.0	350	270	100KHz/1V
SPN30301R0NPSE	3.00	3.00	1.70	1.00	uH	± 30%	39.0	50.7	2,350	2,320	100KHz/1V
SPN30301R5NPSE				1.50	uH	± 30%	50.0	65.0	1,700	2,000	100KHz/1V
SPN30302R2MPSE				2.20	uH	± 20%	60.0	78.0	1,600	1,600	100KHz/1V

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DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN30303R3MPSE	3.00	3.00	1.70	3.30	uH	± 20%	80.0	104.0	1,360		1,320		100KHz/1V
SPN30304R7MPSE				4.70	uH	± 20%	125.0	162.5	1,090		1,100		100KHz/1V
SPN30306R8MPSE				6.80	uH	± 20%	200.0	260.0	850		850		100KHz/1V
SPN3030100MPSE				10.00	uH	± 20%	250.0	325.0	770		720		100KHz/1V
SPN3030150MPSE				15.00	uH	± 20%	350.0	455.0	650		660		100KHz/1V
SPN3030220MPSE				22.00	uH	± 20%	460.0	598.0	570		520		100KHz/1V
SPN3030330MPSE				33.00	uH	± 20%	820.0	1066.0	430		440		100KHz/1V
SPN3030470MPSE				47.00	uH	± 20%	1250.0	1625.0	350		350		100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN4040

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN40401R0NESC	4.00	4.00	1.20	1.00	uH	±30%	42.0	55.0	2,300	2,000	3,000	2,800	100KHz/1V
SPN40402R2MESC				2.20	uH	±20%	75.0	100.0	1,900	1,320	2,000	1,760	100KHz/1V
SPN40403R3MESC				3.30	uH	±20%	75.0	100.0	1,900	1,320	1,650	1,350	100KHz/1V
SPN40404R7MESC				4.70	uH	±20%	125.0	163.0	1,400	1,000	1,500	1,150	100KHz/1V
SPN40406R8MESC				6.80	uH	±20%	175.0	228.0	1,100	850	1,300	1,150	100KHz/1V
SPN4040100MESC				10.00	uH	±20%	180.0	234.0	1,000	800	950	850	100KHz/1V
SPN4040150MESC				15.00	uH	±20%	310.0	400.0	800	650	800	680	100KHz/1V
SPN4040220MESC				22.00	uH	±20%	530.0	690.0	750	490	700	500	100KHz/1V
SPN40401R0NESG	4.00	4.00	1.80	1.00	uH	±30%	27.0	33.0	3,720	3,200	4,590	4,000	100KHz/1V
SPN40401R5NESG				1.50	uH	±30%	37.0	48.0	3,000	2,400	3,750	3,300	100KHz/1V
SPN40402R2MESG				2.20	uH	±20%	42.0	51.0	2,590	2,200	3,110	3,000	100KHz/1V
SPN40403R3MESG				3.30	uH	±20%	55.0	66.0	2,240	2,000	2,560	2,300	100KHz/1V
SPN40404R7MESG				4.70	uH	±20%	70.0	84.0	1,880	1,700	2,330	2,000	100KHz/1V
SPN40406R8MESG				6.80	uH	±20%	98.0	118.0	1,690	1,450	1,820	1,600	100KHz/1V
SPN4040100MESG				10.00	uH	±20%	150.0	180.0	1,250	1,200	1,440	1,300	100KHz/1V
SPN4040150MESG				15.00	uH	±20%	210.0	252.0	920	850	1,150	1,100	100KHz/1V
SPN4040220MESG	22.00	uH	±20%	290.0	348.0	810	720	920	900	100KHz/1V			
SPN4040R68NESL	4.00	4.00	3.10	0.68	uH	± 30%	10.0	13.0	5,100	4,560	8,000	6,800	100KHz/1V
SPN40401R0NESL				1.00	uH	± 30%	14.0	18.0	4,700	4,150	5,700	5,260	100KHz/1V
SPN40401R5NESL				1.50	uH	± 30%	20.0	26.0	3,600	3,340	5,300	4,840	100KHz/1V
SPN40402R2MESL				2.20	uH	± 20%	30.0	39.0	3,200	2,950	5,800	4,900	100KHz/1V
SPN40403R3MESL				3.30	uH	±20%	40.0	52.0	2,600	2,400	3,600	3,300	100KHz/1V
SPN40404R7MESL				4.70	uH	±20%	60.0	78.0	2,300	2,000	3,200	2,900	100KHz/1V
SPN40406R8MESL				6.80	uH	±20%	90.0	117.0	1,700	1,600	3,000	2,750	100KHz/1V
SPN4040100MESL				10.00	uH	±20%	100.0	130.0	1,600	1,500	2,400	1,950	100KHz/1V
SPN4040150MESL				15.00	uH	±20%	190.0	247.0	1,200	1,110	1,800	1,650	100KHz/1V
SPN4040220MESL				22.00	uH	±20%	225.0	292.0	1,200	1,000	1,400	1,300	100KHz/1V
SPN4040330MESL				33.00	uH	±20%	330.0	429.0	920	840	1,200	1,100	100KHz/1V

※Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN5050

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN5050R47NPSH	5.00	5.00	2.20	0.47	uH	± 30%	12.0	14.4	5,800	5,000	6,900	6,100	100KHz/1V
SPN50501R0NPSH				1.00	uH	± 30%	21.0	25.2	3,710	3,600	4,500	4,000	100KHz/1V
SPN50501R5NPSH				1.50	uH	± 30%	26.0	31.2	3,540	3,200	3,800	3,350	100KHz/1V

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DARFONP/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
SPN50502R2NPSH	5.00	5.00	2.20	2.20	uH	± 30%	35.0	42.0	3,200	2,900	3,200	2,900	100KHz/1V
SPN50503R3NPSH				3.30	uH	± 30%	48.0	57.6	3,080	2,400	2,700	2,400	100KHz/1V
SPN50504R7MPSH				4.70	uH	± 20%	60.0	72.0	2,370	2,000	2,270	2,000	100KHz/1V
SPN50506R8MPSH				6.80	uH	± 20%	90.0	108.0	2,200	1,650	1,850	1,600	100KHz/1V
SPN5050100MPSH				10.00	uH	± 20%	120.0	144.0	1,850	1,450	1,480	1,300	100KHz/1V
SPN5050150MPSH				15.00	uH	± 20%	165.0	198.0	1,480	1,200	1,260	1,100	100KHz/1V
SPN5050220MPSH				22.00	uH	± 20%	260.0	312.0	1,230	1,000	1,100	900	100KHz/1V
SPN50501R0NESN	5.00	5.00	4.00	1.00	uH	± 30%	12.0	15.6	5,100	4,900	8,200	7,350	100KHz/1V
SPN50501R2NESN				1.20	uH	± 30%	16.0	20.8	4,900	4,150	7,400	6,500	100KHz/1V
SPN50501R5NESN				1.50	uH	± 30%	17.0	22.0	4,800	4,500	7,300	6,400	100KHz/1V
SPN50502R2NESN				2.20	uH	± 30%	19.0	24.7	4,400	3,800	5,700	5,000	100KHz/1V
SPN50503R3NESN				3.30	uH	± 30%	24.0	31.2	3,950	3,400	4,600	4,000	100KHz/1V
SPN50504R7NESN				4.70	uH	± 30%	32.0	41.6	3,300	3,100	3,950	3,500	100KHz/1V
SPN50506R8MESN				6.80	uH	± 20%	43.0	55.9	2,900	2,500	3,500	2,900	100KHz/1V
SPN5050100MESN				10.00	uH	± 20%	56.0	73.0	2,550	2,100	3,000	2,300	100KHz/1V
SPN5050150MESN				15.00	uH	± 20%	80.0	104.0	2,200	2,000	2,300	2,000	100KHz/1V
SPN5050220MESN				22.00	uH	± 20%	126.0	164.0	1,600	1,500	1,900	1,600	100KHz/1V
SPN5050101MESN				100.00	uH	± 20%	560.0	728.0	770	700	820	750	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN6060

DARFONP/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition			
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.		Max.		
SPN60606R8NPSC	6.00	6.00	1.30	6.80	uH	± 30%	290.0	320.0	--	--	--	1,600	100KHz, 1V			
SPN6060100MPSC	6.00	6.00	1.30	10.00	uH	± 20%	335.0	402.0	--	770	--	1,450	100KHz, 1V			
SPN60600R8NESH	6.00	6.00	2.00	0.80	uH	± 30%	20.0	24.0	4,350	3,900	5,650	4,600	100KHz/1V			
SPN60601R5NESH				1.50	uH	± 30%	26.0	31.2	4,200	3,600	5,300	4,300	100KHz/1V			
SPN60602R2NESH				2.20	uH	± 30%	34.0	40.8	3,400	2,900	4,500	3,750	100KHz/1V			
SPN60603R3NESH				3.30	uH	± 30%	40.0	48.0	3,100	2,750	3,700	3,150	100KHz/1V			
SPN60604R7MESH				4.70	uH	± 20%	58.0	69.6	2,500	2,150	3,600	3,000	100KHz/1V			
SPN60606R8MESH				6.80	uH	± 20%	85.0	102.0	2,100	1,800	2,600	2,000	100KHz/1V			
SPN6060100MESH				10.00	uH	± 20%	125.0	150.0	1,700	1,400	2,240	1,700	100KHz/1V			
SPN6060150MESH				15.00	uH	± 20%	145.0	189.0	1,500	1,200	1,400	1,200	100KHz/1V			
SPN6060220MESH				22.00	uH	± 20%	200.0	265.0	1,300	1,000	1,200	1,050	100KHz/1V			
SPN60602R2NESK				6.00	6.00	2.80	2.20	uH	± 30%	20.0	26.0	--	3,700	--	4,200	100KHz/1V
SPN60603R3MESK	3.30	uH	± 20%				23.0	29.9	--	3,400	--	3,600	100KHz/1V			
SPN60604R7MESK	4.70	uH	± 20%				31.0	40.3	--	3,000	--	2,700	100KHz/1V			
SPN60606R0MESK	6.00	uH	± 20%				40.0	52.0	--	2,500	--	2,500	100KHz/1V			
SPN6060100MESK	10.00	uH	± 20%				67.0	84.5	--	1,900	--	1,900	100KHz/1V			
SPN6060150MESK	15.00	uH	± 20%				95.0	114.0	--	1,800	--	1,600	100KHz/1V			
SPN6060220MESK	22.00	uH	± 20%				135.0	175.5	--	1,400	--	1,300	100KHz/1V			
SPN6060330MESK	33.00	uH	± 20%				220.0	250.0	--	1,100	--	1,200	100KHz/1V			
SPN6060101MESK	100.00	uH	± 20%				600.0	780.0	--	660	--	620	100KHz/1V			
SPN6060221MESK	220.00	uH	± 20%				1500.0	1600.0	--	200	--	200	100KHz/1V			
SPN60601R0NESP	6.00	6.00	4.50				1.00	uH	± 30%	14.0	18.2	5,200	4,500	11,000	9,800	100KHz/1V
SPN60601R5NESP							1.50	uH	± 30%	12.0	15.6	5,300	4,950	9,200	8,800	100KHz/1V
SPN60602R2NESP				2.20	uH	± 30%	22.0	28.6	4,100	3,600	7,300	6,400	100KHz/1V			
SPN60603R3NESP				3.30	uH	± 30%	24.0	31.2	4,000	3,300	6,500	5,600	100KHz/1V			
SPN60604R7MESP				4.70	uH	± 20%	30.0	39.0	3,600	3,100	5,400	4,400	100KHz/1V			
SPN60606R8MESP				6.80	uH	± 20%	36.0	46.8	3,300	3,000	4,300	3,600	100KHz/1V			

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DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN6060100MESP	6.00	6.00	4.50	10.00	uH	± 20%	46.0	59.8	2,800	2,400	3,600	3,100	100KHz/1V
SPN6060150MESP				15.00	uH	± 20%	70.0	91.0	2,300	1,900	3,000	2,500	100KHz/1V
SPN6060220MESP				22.00	uH	± 20%	107.0	139.1	1,900	1,600	2,400	2,000	100KHz/1V
SPN6060330MESP				33.00	uH	± 20%	160.0	188.5	1,750	1,500	2,300	2,100	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

● SPN8080

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Heat Rating Current DC Amps. I _{dc} (mA)		Saturation Current DC Amps. I _{sat} (mA)		Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.	Typ.	Max.	Typ.	Max.	
SPN80801R0NESN	8.00	8.00	4.00	1.00	uH	± 30%	6.0	7.8	9,600	7,800	14,000	13,000	100KHz/1V
SPN80802R0NESN				2.00	uH	± 30%	9.0	11.7	7,600	6,300	9,200	8,100	100KHz/1V
SPN80802R2NESN				2.20	uH	± 30%	9.0	11.7	7,600	6,300	9,200	8,100	100KHz/1V
SPN80803R3NESN				3.30	uH	± 30%	15.0	19.5	6,000	4,900	6,800	6,400	100KHz/1V
SPN80803R6NESN				3.60	uH	± 30%	15.0	19.5	6,000	4,900	6,800	6,400	100KHz/1V
SPN80804R7NESN				4.70	uH	± 30%	18.0	23.4	5,200	4,100	5,900	5,400	100KHz/1V
SPN80806R8NESN				6.80	uH	± 30%	25.0	32.5	4,400	3,700	4,800	4,400	100KHz/1V
SPN80808R2MESN				8.20	uH	± 20%	26.0	34.0	3,700	3,450	4,400	4,200	100KHz/1V
SPN8080100MESN				10.00	uH	± 20%	34.0	44.2	3,500	3,100	4,100	3,800	100KHz/1V
SPN8080150MESN				15.00	uH	± 20%	50.0	65.0	3,000	2,400	3,200	2,900	100KHz/1V
SPN8080220MESN				22.00	uH	± 20%	66.0	85.8	2,600	2,200	2,700	2,400	100KHz/1V
SPN8080330MESN				33.00	uH	± 20%	100.0	130.0	1,900	1,700	2,300	2,000	100KHz/1V
SPN8080470MESN				47.00	uH	± 20%	140.0	182.0	1,600	1,500	1,800	1,500	100KHz/1V
SPN8080680MESN				68.00	uH	± 20%	196.0	255.0	1,450	1,250	1,550	1,450	100KHz/1V
SPN8080101MESN				100.00	uH	± 20%	280.0	364.0	1,100	1,000	1,300	1,100	100KHz/1V

※ Saturation current (I_{sat}) : the maximum DC current will cause inductance drop approximately 30% from initial value.

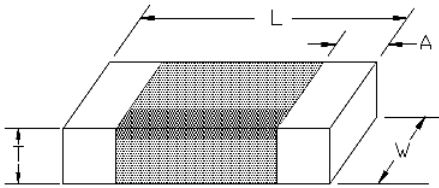
※ Heat rating current (I_{dc}) : the maximum DC current will cause temperature rising approximately 40°C.

Multi-Layer Inductor

■ **Feature**

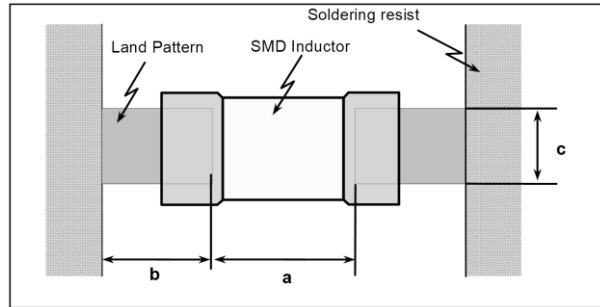
1. Small and light weight
2. Low DC resistance
3. RoHS complaint

■ **External Dimension**



■ **Application**

DC/DC converter for the Mobile equipment; Mobile Phone, DSC, WLAN



Series mm/(inch)	L (mm)	W (mm)	T (mm)	A (Min/Max)	Recommended Pad Dimensions				Package	
					LxW (mm)	a (mm)	b (mm)	c (mm)	Reel	Amount (pcs)
IP1608 (0603)	1.6±0.15	0.8±0.15	0.95max	0.1/0.5	1.6x0.8	0.8to1.0	0.6to0.8	0.6to0.8	7"	4,000
IP2012_S (0805)	2.0±0.2	1.25±0.2	1.0max	0.2/0.8	2.0x1.25	0.8to1.2	0.8to1.2	0.9to1.6	7"	3,000
IP2012_L (0805)	2.0±0.2	1.25±0.2	1.0max	0.5±0.3	2.0x1.25	0.8to1.2	0.8to1.2	0.9to1.6	7"	3,000
IP2016 (0806)	2.0±0.2	1.6±0.2	1.0max	0.2/0.8	2.0x1.6	0.8to1.2	0.8to1.2	0.9to1.6	7"	3,000
IP2520 (1008)	2.5±0.2	2.0±0.2	1.0max	0.2/0.8	2.5x2.0	1.0to1.4	0.6to1.0	1.8to2.2	7"	3,000

Power Inductors

■ PartNumbers&Characteristic

● IP1608(EIA0603)

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Rated Current (mA) Max.	Saturation Current (mA) Typ.		SRF (MHz)Min.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.		Typ.	Max.		
IP16081R0MTS8	1.60	0.80	0.95	1.00	uH	±20%	170.0	200.0	750	500	140	1MHz/1V	
IP16082R2MTS8				2.20	uH	±20%	270.0	300.0	650	250	80	1MHz/1V	

※OPERATINGTEMPERATURERANGE : -40°C TO +85°C

● IP2012(EIA0805)

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Rated Current (mA) Max.	Saturation Current (mA) Typ.		SRF (MHz) Min.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.		Typ.	Max.		
IP2012R47MPS9	2.00	1.25	1.00	0.47	uH	±20%	60.0	80.0	1,200	1,200	160	1MKHz/1V	
IP20121R0MPS9				1.00	uH	±20%	110.0	140.0	1,000	1,100	120	1MKHz/1V	
IP20121R5MPS9				1.50	uH	±20%	150.0	200.0	800	900	95	1MKHz/1V	
IP20122R2MPS9				2.20	uH	±20%	150.0	200.0	800	450	70	1MKHz/1V	
IP20123R3MPS9				3.30	uH	±20%	200.0	240.0	700	300	70	1MKHz/1V	
IP20124R7MPS9				4.70	uH	±20%	230.0	280.0	700	180	60	1MKHz/1V	
IP20122R2MPL9	2.00	1.25	1.00	2.20	uH	±20%	340.0	430.0	700	--	85	1MKHz/100mV	
IP20124R7MPL9				4.70	uH	±20%	460.0	580.0	460	--	50	1MKHz/100mV	

※OPERATINGTEMPERATURERANGE : -40°C TO +85°C

● IP2016(EIA0806)

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Rated Current (mA) Max.	Saturation Current (mA) Typ.		SRF (MHz)Min.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.		Typ.	Max.		
IP2016R47MPS9	2.00	1.60	1.00	0.47	uH	±20%	60.0	750.0	1,600	1,200	150	1MKHz/1V	
IP20161R0MPS9				1.00	uH	±20%	90.0	120.0	1,300	1,100	100	1MKHz/1V	
IP20161R5MPS9				1.50	uH	±20%	100.0	130.0	1,200	800	85	1MKHz/1V	
IP20162R2MPS9				2.20	uH	±20%	110.0	140.0	1,200	600	65	1MKHz/1V	
IP20163R3MPS9				3.30	uH	±20%	130.0	160.0	1,100	300	65	1MKHz/1V	
IP20164R7MPS9				4.70	uH	±20%	160.0	200.0	900	200	55	1MKHz/1V	

※OPERATINGTEMPERATURERANGE : -40°C TO +85°C

● IP2520(EIA1008)

DARFONP/N	Size		Thickness (mm) Max.	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Rated Current (mA) Max.	Saturation Current (mA) Typ.		SRF (MHz)Min.	Measuring Condition
	Length	Width		Value	Unit		Typ.	Max.		Typ.	Max.		
IP2520R47MPS9	2.50	2.00	1.00	0.47	uH	±20%	40.0	50.0	1,800	1,600	1,280	100	1MKHz/1V
IP25201R0MPS9				1.00	uH	±20%	60.0	80.0	1,400	1,200	960	95	1MKHz/1V
IP25201R5MPS9				1.50	uH	±20%	75.0	90.0	1,300	800	640	80	1MKHz/1V
IP25202R2MPS9				2.20	uH	±20%	75.0	90.0	1,300	700	560	60	1MKHz/1V
IP25203R3MPS9				3.30	uH	±20%	90.0	120.0	1,200	300	240	55	1MKHz/1V
IP25204R7MPS9				4.70	uH	±20%	120.0	150.0	1,100	300	240	45	1MKHz/1V

※OPERATINGTEMPERATURERANGE : -40°C TO +85°C

MetalMulti-Layer Inductor

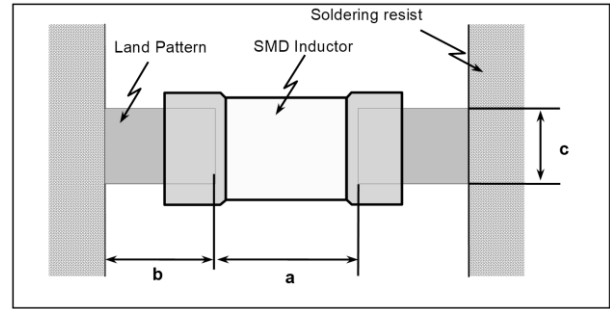
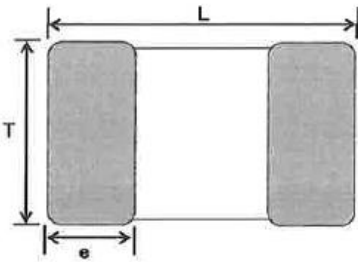
■ **Feature**

1. Small and lightweight
2. Low DC resistance
3. RoHS compliant

■ **Application**

DC/DC converter for the Mobile equipment; Mobile Phone, DSC, WLAN

■ **External Dimension**



Series mm/(inch)	L (mm)	W (mm)	T (mm)	e (mm)	Recommended Pad Dimensions			Package	
					a (mm)	b (mm)	c (mm)	Reel	Amount (pcs)
IP1608 (0603)	1.6±0.2	0.8±0.2	0.65max	0.3±0.2	0.8to1.0	0.6to0.8	0.6to0.8	7"	4,000
IP2012 (0805)	2.0±0.2	1.25±0.2	0.80max	0.5±0.3	0.8to1.2	0.8to1.2	0.9to1.6	7"	4,000

■ **Part Numbers & Characteristic**

● **IP1608_C (EIA0603)**

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Temperature Rise Current (mA)		Saturation Current (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
			Max.			Max.							
IP1608R24MPC6	1.6	0.8	0.65	0.24	uH	±20%	75.0	100.0	1,700	1,500	3,100	2,600	1MHz/10V
IP1608R47MPC6				0.47	uH	±20%	114.0	150.0	1,400	1,200	2,400	2,000	1MHz/10V
IP16081R0MPC6				1.00	uH	±20%	270.0	340.0	900	800	1,700	1,400	1MHz/10V

※ OPERATING TEMPERATURE RANGE : -40°C TO +125°C (Including self-generated heat)

● **IP2012_C (EIA0805)**

DARFON P/N	Size		Thickness (mm)	Inductance		Inductance Tolerance %	DC Resistance (mΩ)		Temperature Rise Current (mA)		Saturation Current (mA)		Measuring Condition
	Length	Width		Max.	Value		Unit	Typ.	Max.	Typ.	Max.	Typ.	
			Max.			Max.							
IP2012R11MPC8	2.0	1.25	0.80	0.11	uH	±20%	9.1	12.0	7,900	6,900	6,600	5,800	1MHz/10V
IP2012R24MPC8				0.24	uH	±20%	14.0	17.0	7,000	6,000	5,200	4,800	1MHz/10V
IP2012R47MPC8				0.47	uH	±20%	26.0	32.0	5,000	4,800	4,400	4,000	1MHz/10V

CONTENT (EMI SUPPRESSION COMPONENTS)

ORDERING CODE	49
PRODUCT RANGE	51
BEADS FOR SIGNAL LINES (BF SERIES)	53
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SMD CMM CHOKE FOR SIGNAL LINES	60
SMD CMM CHOKE FOR POWER LINES	64
SMD CMM CHOKE FOR POWER LINES AUTOMOTIVE	68

Ordering Code

■ Beads for BF/BP/BH Series

B * 1005 300 T T S 5 □ □

PRODUCT CODE

BF : For General Signal Lines

BP : For Power Lines

BH : For High Speed Signal Lines (10MHz~)

DIMENSION (L X W)

Code	Dimension	EIA
1005	1.0 X 0.5 mm	0402
1608	1.6 X 0.8 mm	0603
2012	2.0 X 1.2 mm	0805
3216	3.2 X 1.6 mm	1206

IMPEDANCE CODE

Code	300	301	302
Impedance (Ω)	30	300	3000

TOLERANCE CODE

T : $\pm 25\%$

PACKAGING CODE

T : Paper Tape Reel

P : Plastic Tape Reel

TYPE CODE

S : Standard Type

R : Low DCR

T : Specific Core / Laser Marking

THICKNESS CODE(mm)

5 : 0.5

8 : 0.8

9 : 0.9

B : 1.1

■ SMD CMM Choke for SCC Series

S/ACC 1210 300 T P S 8

PRODUCT CODE

SCC : SMD CMM Choke for Signal Lines / Power Lines

ACC : SMD CMM Choke for Signal Lines / Power Lines (Automotive)

DIMENSION (L X W)

Code	Dimension	EIA
1210	1.25 X 1.00 mm	0504
1608	1.60 X 0.80 mm	0603
2012	2.05 X 1.25 mm	0805
3216	3.20 X 1.60 mm	1206

Code	Dimension	EIA
3225	3.20 X 2.50 mm	1210
4532	4.50 X 3.50 mm	1812
5050	5.00 X 5.00 mm	--
7060	7.00 X 6.00 mm	--

IMPEDANCE CODE

Code	300	301	302
Impedance (Ω)	30	300	3000

TOLERANCE CODE

M : ±20% P : ±+50/-30% T : ± 25% N : ±30% O : --%

PACKAGING CODE

P : Embossed Tape(7')

E : Embossed Tape(13')

TYPE CODE

A : High Loading Current for Automotive Accessories

C : High Loading Current for Isat=20%

D : High Loading Current+ Low DCRC(U-Turn Process)

M : Stanfard With Vertical Mark-1

S : Standard Type

T : Specific Spec

THICKNESS CODE(mm)

8 : 0.8 B : 1.1 C : 1.2 H : 2.0

I : 2.4 L : 2.8 J : 2.3 P : 4.5

R : 3.8

Product Range

- Bead
- Signal Lines

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				10Ω	100Ω	1000Ω	2000Ω		
BF series	BF1005_S5	1.0*0.5	0.6	10 Ω			1800 Ω		
	BF1005_R5	1.0*0.5	0.55			220 Ω	1000 Ω		
	BF1608_S8	1.6*0.8	1	10 Ω		1000 Ω			
	BF2012_S9	2.0*1.2	1.1		32 Ω	1000 Ω			
	BF3216_SB	3.2*1.6	1.3		26 Ω	31 Ω			

● Power Lines

TCC	Series	Size	Thickness Max.(mm)	Inductance Range					
				10Ω	100Ω	1000Ω	2000Ω		
BP series	BP1005_S5	1.0*0.5	0.5	10 Ω		180 Ω			
	BP1005_T5	1.0*0.5	0.6			120 Ω			
	BP1608_S8	1.6*0.8	1		19 Ω	1000 Ω			
	BP1608_R8	1.6*0.8	1	7 Ω	100 Ω				
	BP2012_S9	2.0*1.2	1.1	7 Ω			1500 Ω		
	BP3216_SB	3.2*1.6	1.3		19 Ω	1000 Ω			

● High Speed Signal Lines

TCC	Series	Size	Thickness Max.(mm)	Inductance Range					
				10Ω	100Ω	1000Ω	2000Ω		
BH series	BH1005_S5	1.0*0.5	0.6		75 Ω	240 Ω			
	BH1608_S8	1.6*0.8	0.95			120 Ω		2200 Ω	

■ SMD CMM Choke

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				10Ω	100Ω	1000Ω	2000Ω		
Signal Lines	SCC1210_S8	1.20*1.00	0.9		25 Ω	330 Ω			
	SCC1608_SB	1.60*0.80	1.3		25 Ω	220 Ω			
	SCC2012_SC	2.05*1.25	1.4		30 Ω	900 Ω			
	SCC2012_TC	2.05*1.25	1.4		67 Ω	120 Ω			
	SCC2012_DC	2.05*1.25	1.4			260 Ω			
	SCC2012_CC	2.05*1.25	1.4		50 Ω				
	SCC3216_SH	3.20*1.60	2.1		90 Ω			2200 Ω	
Power Lines	SCC3225_SI	3.20*2.50	2.6		90 Ω			2200 Ω	
	SCC3225_CI	3.20*2.50	2.6		90 Ω	1000 Ω			
	SCC3225_AI	3.20*2.50	2.6			1000 Ω			
	SCC3225_TI	3.20*2.50	2.6	11 Ω		200Ω			
	SCC3225_MI	3.20*2.50	2.6	11 Ω	100 Ω				
	SCC4532_ML	4.50*3.20	3	11 Ω	100 Ω				
	SCC4532_TL	4.50*3.20	3	11 Ω	100 Ω				
	SCC4532_PPSL	4.50*3.20	3	11 Ω	100 Ω				
	SCC4532_AL	4.50*3.20	3	11 Ω	100 Ω				
	SCC4532_TPSL	4.50*3.20	3		90 Ω		1400 Ω		
	SCC4532_CL	4.50*3.20	3			600 Ω	1000 Ω		
	SCC5050_SJ	5.00*5.00	2.5		100 Ω		1500 Ω		
	SCC5050_SP	5.00*5.00	4.8			1000 Ω			
	SCC7060_SR	7.00*6.00	3.8		100 Ω				3000 Ω

EMI Suppression

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

■ SMD CMM Choke Automotive

TCC	Series	Size (mm)	Thickness Max.(mm)	Inductance Range					
				10Ω	100Ω	1000Ω	2000Ω		
Power Lines Automotive	ACC3225_SI	3.20*2.50	2.6		90 Ω				2200 Ω
	ACC3225_CI	3.20*2.50	2.6		90 Ω		1000 Ω		
	ACC3225_AI	3.20*2.50	2.6				1000 Ω		
	ACC3225_TI	3.20*2.50	2.6		11 Ω	200Ω			
	ACC3225_MI	3.20*2.50	2.6		11 Ω	100 Ω			
	ACC4532_ML	4.50*3.20	3		11 Ω	100 Ω			
	ACC4532_TL	4.50*3.20	3		11 Ω	100 Ω			
	ACC4532_PPSL	4.50*3.20	3		11 Ω	100 Ω			
	ACC4532_AL	4.50*3.20	3		11 Ω	100 Ω			
	ACC4532_TFSL	4.50*3.20	3		90 Ω		1400 Ω		
	ACC4532_CL	4.50*3.20	3			600 Ω	1000 Ω		
	ACC5050_SJ	5.00*5.00	2.5			100 Ω		1500 Ω	
	ACC5050_SP	5.00*5.00	4.8				1000 Ω		
ACC7060_SR	7.00*6.00	3.8			100 Ω			3000 Ω	

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Beads for Signal Lines (BF series)

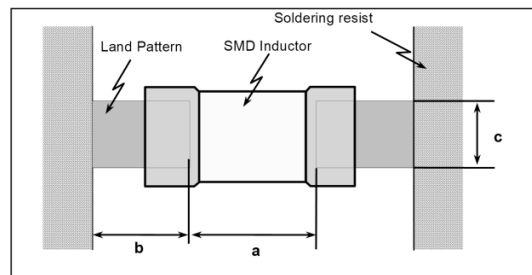
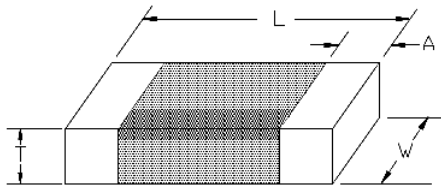
Feature

1. High density packaging is possible. This series requires less space and has greater EMI suppression effects.
2. Different types with the same shape are available.
3. Excellent in physical properties, such as terminal strength, flexure strength, soldering resistance and solder ability.
4. Applicable to both flow and reflow soldering.

Application

1. Computers and peripheral devices, personal computers, VCR and cameras.
2. Noise suppression in digital equipment, car stereo, car engines controllers and OA electronic instruments.
3. Communication equipment.

External Dimension



Series mm/(inch)	L	W	A (Min/Max)	T	Recommended Pad Dimensions				Package	
					LxW (mm)	a (mm)	b (mm)	c (mm)	Type	Amount (pcs)
1005 (0402)	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.25±0.15 (0.010±0.006)	0.50±0.05 (0.020±0.002)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	10,000
1608 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)	0.80±0.20 (0.031±0.008)	1.6*0.8	0.7to1.0	0.60to0.80	0.7to0.8	Paper	4,000
2012 (0805)	2.00+/-0.20 (0.079+/-0.008)	1.20+/-0.20 (0.047+/-0.008)	0.50+/-0.30 (0.020+/-0.012)	0.90±0.20 (0.035±0.008)	2.0*1.2	1.0to1.3	0.70to0.90	1.0to1.2	Paper	4,000
3216 (1206)	3.20+/-0.20 (0.126+/-0.008)	1.60+/-0.20 (0.063+/-0.008)	0.50+/-0.30 (0.020+/-0.012)	1.10±0.20 (0.043±0.008)	3.2*1.6	2.1to2.5	1.00to1.20	1.3to1.6	Plastic	3,000

EMI Suppression

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

■ Part Numbers & Characteristics (General Purpose)

● BF1005_T series(EIA 0402 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF1005100TTS5□□	1.00	0.50	0402	0.60	10	100	±25%	25	1,000	100MHz/0.5V
BF1005300TTS5□□					30	300	±25%	80	1,000	100MHz/0.5V
BF1005600TTS5□□					60	600	±25%	150	500	100MHz/0.5V
BF1005121TTS5□□					120	121	±25%	190	550	100MHz/0.5V
BF1005221TTS5□□					220	221	±25%	280	700	100MHz/0.5V
BF1005241TTS5□□					240	241	±25%	280	700	100MHz/0.5V
BF1005301TTS5□□					300	301	±25%	280	700	100MHz/0.5V
BF1005471TTS5□□					470	471	±25%	340	420	100MHz/0.5V
BF1005601TTS5□□					600	601	±25%	520	300	100MHz/0.5V
BF1005102TTS5□□					1000	102	±25%	600	500	100MHz/0.5V
BF1005152TTS5□□				0.55	1500	152	±25%	800	250	100MHz/0.5V
BF1005182TTS5□□					1800	182	±25%	800	250	100MHz/0.5V
BF1005221TTR5□□				1.00	0.50	0402	0.60	220	221	±25%
BF1005601TTR5□□	600	601	±25%					340	500	100MHz/0.5V
BF1005102TTR5□□	1000	102	±25%					490	350	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

● BF1608 series(EIA 0603 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF1608100TTS8□□	1.60	0.80	0603	1.00	10	100	±25%	50	600	100MHz/0.5V
BF1608300TTS8□□					30	300	±25%	80	600	100MHz/0.5V
BF1608600TTS8□□					60	600	±25%	100	600	100MHz/0.5V
BF1608800TTS8□□					80	800	±25%	100	600	100MHz/0.5V
BF1608101TTS8□□					100	101	±25%	150	600	100MHz/0.5V
BF1608121TTS8□□					120	121	±25%	300	300	100MHz/0.5V
BF1608221TTS8□□					220	221	±25%	300	300	100MHz/0.5V
BF1608301TTS8□□					300	301	±25%	350	300	100MHz/0.5V
BF1608471TTS8□□					470	471	±25%	400	300	100MHz/0.5V
BF1608601TTS8□□					600	601	±25%	450	200	100MHz/0.5V
BF1608102TTS8□□					1000	102	±25%	600	100	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

● BF2012 series(EIA 0805 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF2012320TTS9□□	2.00	1.20	0805	1.10	32	320	±25%	50	800	100MHz/0.5V
BF2012800TTS9□□					80	800	±25%	50	800	100MHz/0.5V
BF2012121TTS9□□					120	121	±25%	150	800	100MHz/0.5V
BF2012151TTS9□□					150	151	±25%	150	800	100MHz/0.5V
BF2012221TTS9□□					220	221	±25%	200	500	100MHz/0.5V
BF2012301TTS9□□					300	301	±25%	200	500	100MHz/0.5V
BF2012601TTS9□□					600	601	±25%	300	500	100MHz/0.5V
BF2012102TTS9□□					1000	102	±25%	350	300	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

● BF3216 series(EIA 1206 Size)

DARFONP/N	Size			Thickness (mm)	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA	Max.	Value	3-Digital				
BF3216260TPSB□□	3.20	1.60	1206	1.30	26	260	±25%	100.0	800	100MHz/0.5V
BF3216310TPSB□□					31	310	±25%	50.0	800	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

Beads for Power Lines (BP series)

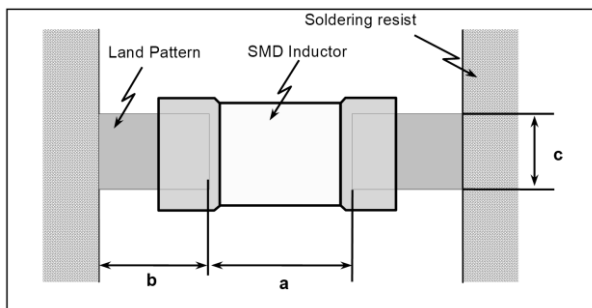
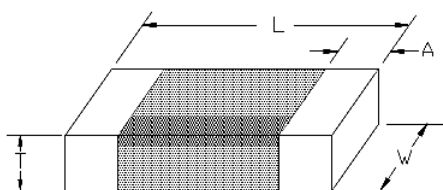
■ Feature

The BP series can be used on high current circuits due to its low DC resistance. It can meet power lines to the maximum at DC.

■ Application

1. This series is suitable for EMI suppression of the high DC current power line.
2. Various power lines of electronic equipment.
3. Mother board, tablet PC, notebook, desktop computers and peripheral equipment.
4. DSC, DVC, LCD Television, Set Top Box.
5. Digital communication equipment.

■ External Dimension



Series mm/(inch)	L	W	A (Min/Max)	T	Recommended Pad Dimensions				Package	
					LxW (mm)	a (mm)	b (mm)	c (mm)	Type	Amount (pcs)
1005 (0402)	1.00±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.25±0.15 (0.010±0.006)	0.50 ± 0.05 (0.020 ± 0.002)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	4,000
1608 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)	0.80 ± 0.20 (0.031 ± 0.008)	1.6*0.8	0.7to1.0	0.6to0.8	0.7to0.8	Paper	4,000
2012 (0805)	2.00+/-0.20 (0.079+/-0.008)	1.20+/-0.20 (0.047+/-0.008)	0.50+/-0.30 (0.020+/-0.012)	0.90 ± 0.20 (0.035± 0.008)	2.0*1.2	1.0to1.3	0.7to0.9	1.0to1.2	Plastic	3,000
3216 (1206)	3.20+/-0.20 (0.126+/-0.008)	1.60+/-0.20 (0.063+/-0.008)	0.50+/-0.30 (0.020+/-0.012)	1.10 ± 0.20 (0.043± 0.008)	3.2*1.6	2.1to2.5	1.0to1.2	1.3to1.6	Plastic	3,000

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■ Part Numbers & Characteristic

● BP1005 series(EIA 0402 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BP1005100TTS5□□	1.00	0.50	0402	0.60	10	100	±25%	30	2,000	100MHz/0.5V
BP1005300TTS5□□					30	300	±25%	35	2,200	100MHz/0.5V
BP1005600TTS5□□					60	600	±25%	60	1,700	100MHz/0.5V
BP1005700TTS5□□					70	700	±25%	90	1,200	100MHz/0.5V
BP1005800TTS5□□					80	800	±25%	70	1,500	100MHz/0.5V
BP1005101TTS5□□					100	101	±25%	90	1,200	100MHz/0.5V
BP1005181TTS5□□					180	181	±25%	90	1,200	100MHz/0.5V
BP1005121TTT5□□	1.00	0.50	0402	0.60	120	121	±25%	75	1,800	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

● BP1608 series(EIA 0603 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BP1608190TTS8□□	1.60	0.80	0603	1.00	19	190	±25%	40	3,000	100MHz/0.5V
BP1608220TTS8□□					22	220	±25%	40	3,000	100MHz/0.5V
BP1608300TTS8□□					30	300	±25%	30	3,000	100MHz/0.5V
BP1608310TTS8□□					31	310	±25%	40	3,000	100MHz/0.5V
BP1608330TTS8□□					33	330	±25%	25	3,000	100MHz/0.5V
BP1608500TTS8□□					50	500	±25%	40	3,000	100MHz/0.5V
BP1608600TTS8□□					60	600	±25%	40	3,000	100MHz/0.5V
BP1608700TTS8□□					70	700	±25%	40	3,000	100MHz/0.5V
BP1608800TTS8□□					80	800	±25%	40	3,000	100MHz/0.5V
BP1608101TTS8□□					100	101	±25%	40	3,000	100MHz/0.5V
BP1608121TTS8□□					120	121	±25%	40	3,000	100MHz/0.5V
BP1608151TTS8□□					150	151	±25%	40	3,000	100MHz/0.5V
BP1608181TTS8□□					180	181	±25%	90	1,500	100MHz/0.5V
BP1608221TTS8□□					220	221	±25%	50	3,000	100MHz/0.5V
BP1608301TTS8□□					300	301	±25%	90	2,000	100MHz/0.5V
BP1608331TTS8□□					330	331	±25%	80	1,700	100MHz/0.5V
BP1608601TTS8□□					600	601	±25%	200	1,000	100MHz/0.5V
BP1608102TTS8□□	1000	102	±25%	200	1,000	100MHz/0.5V				
BP1608070TTR8□□	1.60	0.80	0603	1.00	7	070	±25%	25	4,000	100MHz/0.5V
BP1608220TTR8□□					22	220	±25%	8	6,000	100MHz/0.5V
BP1608260TTR8□□					26	260	±25%	7	6,000	100MHz/0.5V
BP1608300TTR8□□					30	300	±25%	10	5,000	100MHz/0.5V
BP1608330TTR8□□					33	330	±25%	8	6,000	100MHz/0.5V
BP1608600TTR8□□					60	600	±25%	20	3,500	100MHz/0.5V
BP1608101TTR8□□					100	101	±25%	10	6,000	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

EMI Suppression

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

● BP2012 series(EIA 0805 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max).	Rated Current mA(Max).	Measuring
	Length	Width	EIA		Value	3-Digital				
BP2012070TTS9□□	2.00	1.20	0805	1.10	7	070	±25%	8	6,000	100MHz/0.5V
BP2012110TTS9□□					11	110	±25%	8	6,000	100MHz/0.5V
BP2012220TTS9□□					22	220	±25%	8	6,000	100MHz/0.5V
BP2012300TTS9□□					30	300	±25%	8	6,000	100MHz/0.5V
BP2012500TTS9□□					50	500	±25%	20	4,000	100MHz/0.5V
BP2012600TTS9□□					60	600	±25%	15	5,000	100MHz/0.5V
BP2012800TTS9□□					80	800	±25%	10	5,000	100MHz/0.5V
BP2012101TTS9□□					100	800	±25%	40	3,000	100MHz/0.5V
BP2012121TTS9□□					120	121	±25%	20	4,000	100MHz/0.5V
BP2012181TTS9□□					180	181	±25%	50	3,000	100MHz/0.5V
BP2012221TTS9□□					220	221	±25%	50	3,000	100MHz/0.5V
BP2012301TTS9□□					300	301	±25%	40	3,000	100MHz/0.5V
BP2012331TTS9□□					330	331	±25%	50	3,000	100MHz/0.5V
BP2012471TTS9□□					470	471	±25%	100	2,000	100MHz/0.5V
BP2012601TTS9□□					600	601	±25%	100	2,000	100MHz/0.5V
BP2012751TTS9□□					750	751	±25%	300	1,000	100MHz/0.5V
BP2012102TTS9□□					1000	102	±25%	300	1,000	100MHz/0.5V
BP2012122TTS9□□					1200	122	±25%	300	1,000	100MHz/0.5V
BP2012152TTS9□□					1500	152	±25%	300	1,000	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

● BP3216 series(EIA 1206 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max).	Rated Current mA(Max).	Measuring
	Length	Width	EIA		Value	3-Digital				
BP3216190TTSB□□	3.20	1.60	1206	1.30	19	190	±25%	6	6,000	100MHz/0.5V
BP3216260TTSB□□					26	260	±25%	6	6,000	100MHz/0.5V
BP3216300TTSB□□					30	300	±25%	6	6,000	100MHz/0.5V
BP3216310TTSB□□					31	310	±25%	6	6,000	100MHz/0.5V
BP3216330TTSB□□					33	330	±25%	6	6,000	100MHz/0.5V
BP3216520TTSB□□					52	520	±25%	8	6,000	100MHz/0.5V
BP3216600TTSB□□					60	600	±25%	10	6,000	100MHz/0.5V
BP3216800TTSB□□					80	800	±25%	20	4,000	100MHz/0.5V
BP3216121TTSB□□					120	121	±25%	25	6,000	100MHz/0.5V
BP3216151TTSB□□					150	151	±25%	120	3,000	100MHz/0.5V
BP3216181TTSB□□					180	181	±25%	50	3,000	100MHz/0.5V
BP3216201TTSB□□					200	201	±25%	50	3,000	100MHz/0.5V
BP3216221TTSB□□					220	221	±25%	50	3,000	100MHz/0.5V
BP3216301TTSB□□					300	301	±25%	60	3,000	100MHz/0.5V
BP3216501TTSB□□					500	501	±25%	60	3,000	100MHz/0.5V
BP3216601TTSB□□					600	601	±25%	60	3,000	100MHz/0.5V
BP3216102TTSB□□					1000	102	±25%	30	1,000	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

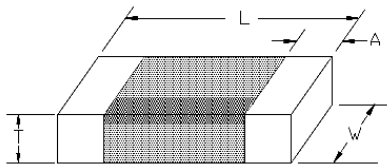
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Beads for High Speed Signal Lines (BH series)

Feature

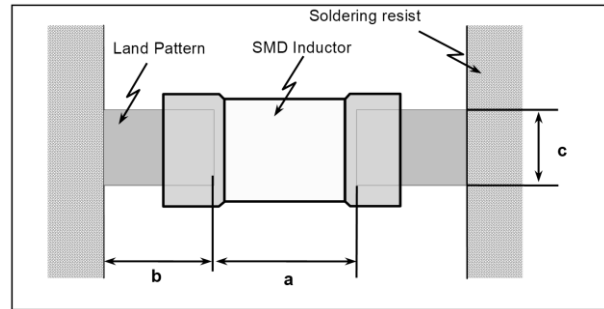
1. Internal silver printed layer creates a closed circuit which acts as a magnetic shield minimizing heat generation and crosstalk.
2. No need for grounding provides greater circuit design flexibility.

External Dimension



Application

1. High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
2. Radiated noise suppression in computer or printer interfaces and harness connectors.
3. Noise suppression in video and other AV products.
4. Prevents interference between circuits in cellular phones (PHS, PDC, etc.)



Series mm/(inch)	L	W	A (Min/Max)	T	Recommended Pad Dimensions				Package	
					LxW (mm)	a (mm)	b (mm)	c (mm)	Type	Amount (pcs)
1005 (0402)	0.10±0.10 (0.040±0.004)	0.50±0.10 (0.020±0.004)	0.25±0.15 (0.010±0.006)	0.50±0.05 (0.020±0.002)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	10,000
1608 (0603)	1.60±0.20 (0.063±0.008)	0.80±0.20 (0.031±0.008)	0.30±0.20 (0.012±0.008)	0.80±0.20 (0.031±0.008)	1.6*0.8	0.7to1.0	0.6to0.8	0.7to0.8	Paper	4,000

Part Numbers & Characteristic

● BH1005 series(EIA 0402 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max).	Rated Current mA(Max).	Measuring				
	Length	Width	EIA		Value	3-Digital								
BH1005750TTS5□□	1.00	0.50	0402	0.6	75	750	±25%	180	350	100MHz/0.5V				
BH1005121TTS5□□					120	121					±25%	180	300	100MHz/0.5V
BH1005241TTS5□□					240	241					±25%	300	400	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

● BH1608 series(EIA 0603 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance mΩ(Max).	Rated Current mA(Max).	Measuring				
	Length	Width	EIA		Value	3-Digital								
BH1608121TTS8□□	1.6	0.8	0603	0.95	120	121	±25%	300	500	100MHz/0.5V				
BH1608471TTS8□□					470	471					±25%	550	200	100MHz/0.5V
BH1608222TTS8□□					2200	222					±25%	1,500	50	100MHz/0.5V

※OPERATING TEMPERATURE RANGE:-55°C TO +125°C

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SMD CMM Choke for Signal Lines

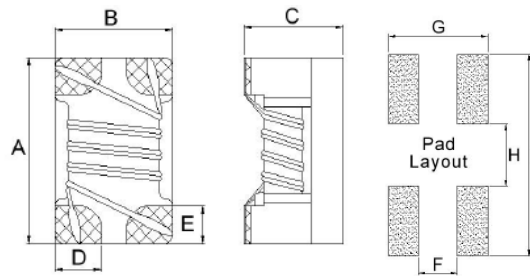
■ Feature.

1. RoHS Compliant
2. Miniature SMD type common mode filter for fully automated assembly.
3. Wide impedance range ($30\ \Omega \sim 2200\ \Omega$) for noise suppression
4. Excellent solder ability

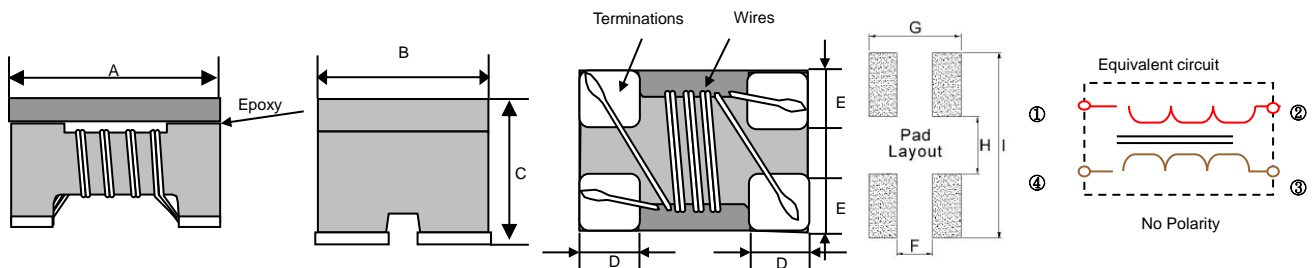
■ Application

1. High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
2. Radiated noise suppression in computer or printer interfaces and harness connectors.
3. Noise suppression in video and other AV products.
4. Prevents interference between circuits in cellular phones (PHS, PDC, etc.)

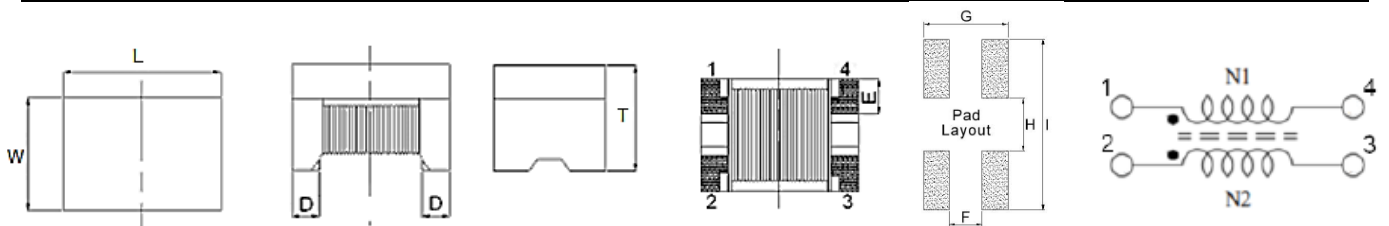
■ External Dimension



Series mm/(inch)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Recommended Pad Dimensions				Package	
						F (mm)	G (mm)	H (mm)	I (mm)	Reel	Amount (pcs)
1210 (0504)	1.25±0.2	1.00±0.2	0.80±0.1	0.32	0.33	0.36	1.00	0.59	1.75	7"	2,000
1608 (0603)	1.60±0.2	0.80±0.2	1.10±0.2	0.25	0.33	0.25	0.75	0.61	2.29		
2012_SC (0805)	2.05±0.2	1.25±0.2	1.20±0.2	0.50	0.40	0.50	1.27	0.80	2.60		
2012_CC (0805)	2.00±0.2	1.20±0.2	1.20±0.2	0.45 Typ	0.40 Typ	0.40	1.27	0.80	2.60		
3216 (1206)	3.20±0.2	1.60±0.2	1.90±0.2	0.50	0.60	0.40	1.60	1.60	3.70		



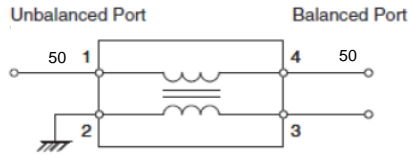
Series mm/(inch)	A (mm)	B (mm)	C (mm)	D (Typ)	E (mm)	Recommended Pad Dimensions				Package	
						F (mm)	G (mm)	H (mm)	I (mm)	Reel	Amount (pcs)
SC2012□□□□PTC*	2.00±0.2	1.20±0.2	1.20±0.1	0.4	0.435±0.015	0.40	1.20	0.80	2.60	7"	2,000



Series mm/(inch)	L (mm)	W (mm)	D (mm)	T (Typ)	E (Typ)	Recommended Pad Dimensions				Package	
						F (mm)	G (mm)	H (mm)	I (mm)	Reel	Amount (pcs)
SCC2012□□□□PDC*	2.00±0.2	1.20±0.2	1.20±0.2	0.45	0.40	0.40	1.20	0.80	2.60	7"	2,000

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- Schematic
- SCC2012_CC Series



■ Part Numbers & Characteristic

● SCC1210 series(EIA 0504 Size)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Measuring
	Length	Width	EIA		Value	Unit							
SCC1210250NPS8	1.25	1.00	0504	0.90	25	Ω	$\pm 30\%$	0.300	400	50	125	100	100MHz
SCC1210600MPS8					60	Ω	$\pm 20\%$	0.400	300	50	125	100	100MHz
SCC1210670MPS8					67	Ω	$\pm 20\%$	0.250	300	50	125	100	100MHz
SCC1210900MPS8					90	Ω	$\pm 20\%$	0.300	250	50	125	100	100MHz
SCC1210121MPS8					120	Ω	$\pm 20\%$	0.400	200	50	125	100	100MHz
SCC1210161MPS8					160	Ω	$\pm 20\%$	0.430	160	50	125	100	100MHz
SCC1210201MPS8					200	Ω	$\pm 20\%$	0.800	120	50	125	100	100MHz
SCC1210331TPS8					330	Ω	$\pm 25\%$	1.300	100	50	125	100	100MHz

※OPERATING TEMPERATURE RANGE:-40°C TO+105°C (Including self – temperature rise)

● SCC1608 series(EIA 0603 Size)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Measuring
	Length	Width	EIA		Value	Unit							
SCC1608250MPSB	1.60	0.80	0603	1.30	25	Ω	$\pm 20\%$	0.077	500	50	125	10	100MHz
SCC1608600MPSB					60	Ω	$\pm 20\%$	0.109	500	50	125	10	100MHz
SCC1608900MPSB					90	Ω	$\pm 20\%$	0.142	500	50	125	10	100MHz
SCC1608121MPSB					120	Ω	$\pm 20\%$	0.160	500	50	125	10	100MHz
SCC1608141MPSB					140	Ω	$\pm 20\%$	0.174	500	50	125	10	100MHz
SCC1608221MPSB					220	Ω	$\pm 20\%$	0.209	500	50	125	10	100MHz

※OPERATING TEMPERATURE RANGE:-40°C TO+105°C (Including self – temperature rise)

● SCC2012 series(EIA 0805 Size)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Measuring				
	Length	Width	EIA		Value	Unit											
SCC2012300MPSC	2.05	1.25	0805	1.40	30	Ω	$\pm 20\%$	0.200	450	50	125	10	100MHz				
SCC2012670MPSC					67	Ω	$\pm 20\%$	0.250	400	50	125	10	100MHz				
SCC2012750MPSC					75	Ω	$\pm 20\%$	0.300	360	50	125	10	100MHz				
SCC2012900MPSC					90	Ω	$\pm 20\%$	0.350	330	50	125	10	100MHz				
SCC2012121MPSC					120	Ω	$\pm 20\%$	0.300	400	50	125	10	100MHz				
SCC2012161MPSC					160	Ω	$\pm 20\%$	0.350	350	50	125	10	100MHz				
SCC2012181MPSC					180	Ω	$\pm 20\%$	0.350	330	50	125	10	100MHz				
SCC2012201MPSC					200	Ω	$\pm 20\%$	0.350	330	50	125	10	100MHz				
SCC2012221MPSC					220	Ω	$\pm 20\%$	0.350	310	50	125	10	100MHz				
SCC2012261MPSC					260	Ω	$\pm 20\%$	0.400	300	50	125	10	100MHz				
SCC2012301MPSC					300	Ω	$\pm 20\%$	0.400	290	50	125	10	100MHz				
SCC2012361MPSC					360	Ω	$\pm 20\%$	0.450	280	50	125	10	100MHz				
SCC2012371MPSC					370	Ω	$\pm 20\%$	0.550	280	50	125	10	100MHz				
SCC2012501MPSC					500	Ω	$\pm 20\%$	0.550	170	50	125	10	100MHz				
SCC2012671MPSC					670	Ω	$\pm 20\%$	0.600	140	50	125	10	100MHz				
SCC2012801MPSC					800	Ω	$\pm 20\%$	0.880	300	50	125	10	100MHz				
SCC2012901MPSC					900	Ω	$\pm 20\%$	0.600	80	50	125	10	100MHz				
SCC2012670TPTC					2.05	1.25	0.08	1.40	67	Ω	$\pm 25\%$	0.250	400	50	10	125	100MHz
SCC2012900TPTC									90	Ω	$\pm 25\%$	0.300	370	50	10	125	100MHz
SCC2012121TPTC									120	Ω	$\pm 25\%$	0.350	330	50	10	125	100MHz

This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Measuring
	Length	Width	EIA		Value	Unit							
SCC2012261TPDC	2.05	1.25	0.08	1.40	260	Ω	$\pm 25\%$	0.450	300	50	10	125	100MHz

※OPERATING TEMPERATURE RANGE:-40°C TO+105°C (Including self – temperature rise)

※SCC2012_MTC OPERATING TEMPERATURE RANGE:-40°C TO+125°C (Including self – temperature rise)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Insertion Loss(dB)		DC Resistance Ω (MHz)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Frequency Range (MHz)
	Length	Width	EIA		Value	Unit	Typ.	Max.						
SCC2012500OPCC	2.00	1.25	0805	1.40	50	Ω	1.0	2.5	0.001	200	50	125	10	40~860

※OPERATING TEMPERATURE RANGE: -25 °C TO +125 °C

● SCC3216 series(EIA 1206 Size)

DARFONP/N	Size			Thickness (mm) Max.	Impedance		Impedance Tolerance %	DC Resistance Ω (MHz)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω) Length	Measuring
	Length	Width	EIA		Value	Unit							
SCC3216900TPSH	3.20	1.60	1206	2.10	90	Ω	$\pm 25\%$	0.300	370	50	125	10	100MHz
SCC3216121TPSH					120	Ω	$\pm 25\%$	0.300	370	50	125	10	100MHz
SCC3216161TPSH					160	Ω	$\pm 25\%$	0.400	340	50	125	10	100MHz
SCC3216221TPSH					220	Ω	$\pm 25\%$	0.400	320	50	125	10	100MHz
SCC3216261TPSH					260	Ω	$\pm 25\%$	0.500	310	50	125	10	100MHz
SCC3216601TPSH					600	Ω	$\pm 25\%$	0.800	260	50	125	10	100MHz
SCC3216102TPSH					1000	Ω	$\pm 25\%$	1.000	230	50	125	10	100MHz
SCC3216222TPSH					2200	Ω	$\pm 25\%$	1.200	200	50	125	10	100MHz

※OPERATING TEMPERATURE RANGE:-40°C TO+105°C (Including self – temperature rise)

SMD CMM Choke for Power Lines

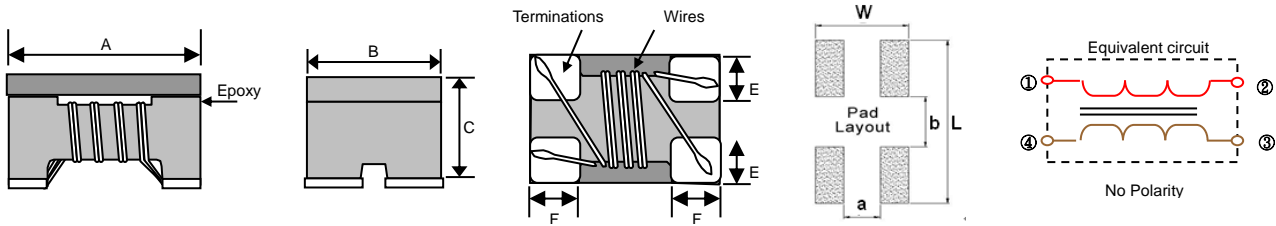
■ Feature.

1. RoHS Compliant
2. Miniature SMD type common mode filter for fully automated assembly.
3. Wide impedance range ($30\Omega \sim 2200\Omega$) for noise suppression
4. Excellent solder ability

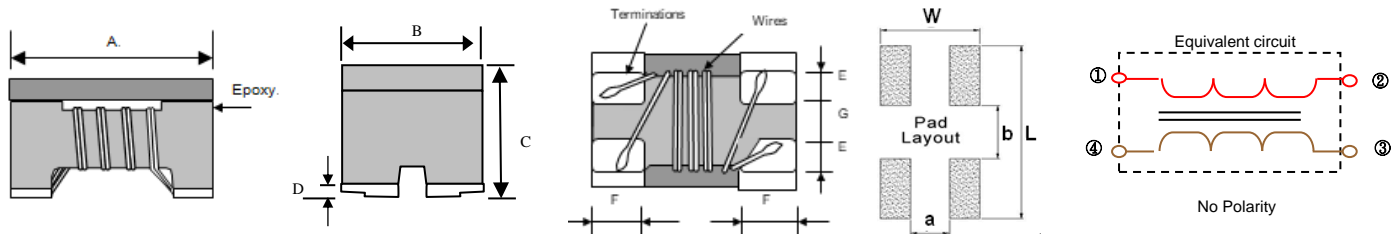
■ Application

1. High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
2. Radiated noise suppression in computer or printer interfaces and harness connectors.
3. Noise suppression in video and other AV products.
4. Prevents interference between circuits in cellular phones (PHS, PDC, etc.)

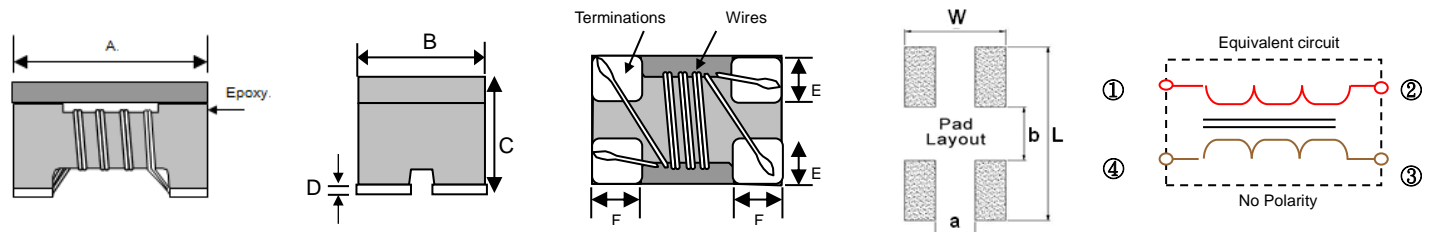
■ External Dimension



Series	A (mm)	B (mm)	C (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
						W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC3225□□□TPSI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	3.5	4.4	0.6	1.6	7"	2,000
SCC3225□□□TPCI	3.2±0.2	2.5±0.2	2.2±0.2	0.8	0.65	3.5	4.4	0.6	1.6	7"	2,000
SCC3225102TPCI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	3.5	4.4	0.6	1.6	7"	2,000
SCC3225□□□TPAI	3.2±0.2	2.5±0.2	2.2±0.2	0.8	0.65	3.5	4.4	0.6	1.6	7"	2,000
SCC3225201NPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	2.5	4.1	0.4	2.0	7"	2,000
SCC3225□□□PPMI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.6	1.6	4.1	0.4	2.0	7"	2,000
SCC4532□□□TPSL	4.5±0.2	3.2±0.2	2.8±0.2	1.2	1.0	3.8	4.8	0.7	2.5	7"	500
SCC4532□□□TPCL	4.5±0.2	3.2±0.2	2.8±0.2	1.2	1.0	3.8	4.8	0.7	2.5	7"	500

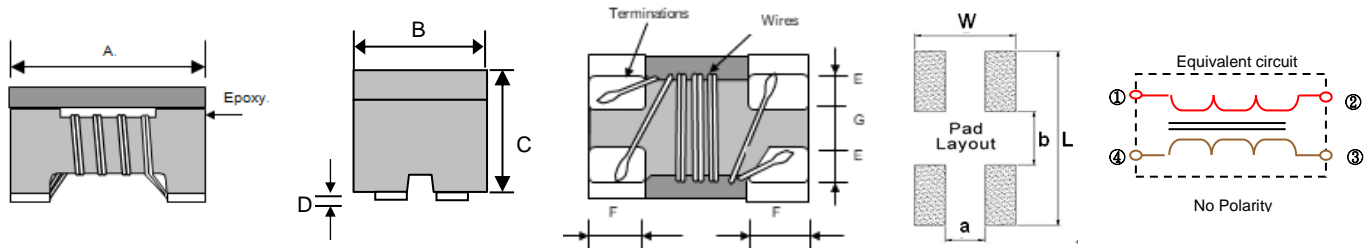


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC3225□□□PPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.2±0.1	0.8	0.6	0.5	2.5	4.4	0.4	2.0	7"	2,000

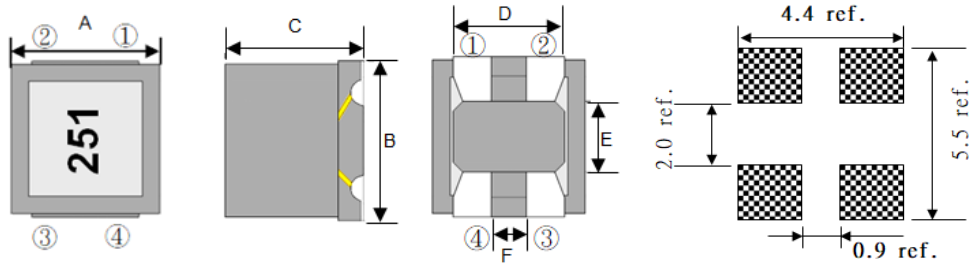


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
							W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC4532□□□PPML	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
SCC4532□□□PPSL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
SCC4532□□□PPAL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.64	0.7	3.15	4.4	0.75	2.4	7"	500

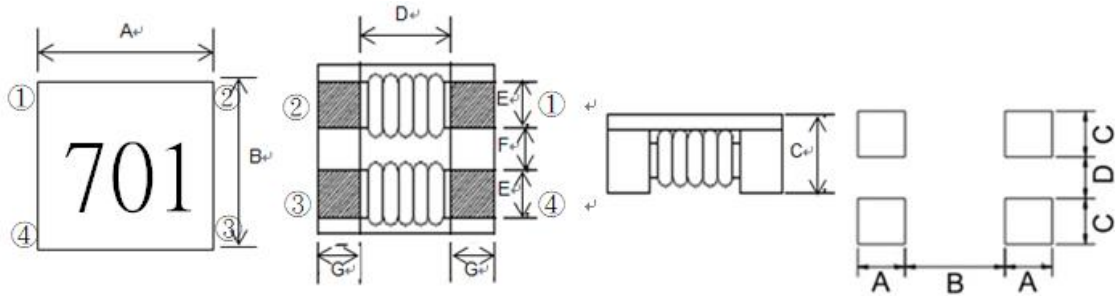
This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC4532□□□PPTL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.7	0.75	0.8	3.15	4.4	0.75	2.4	7"	500



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Package	
							Reel	Amount (pcs)
SCC5050□□□OESJ	4.8±0.3	5.0±0.3	2.3±0.2	3.5±0.2	2.2±0.2	1.1±0.2	13"	2,500
SCC5050□□□OESP	4.8±0.3	5.0±0.3	4.5±0.3	3.5 Typ	2.2 Typ	1.1 Typ	13"	1,500



Series	A (mm)	B (mm)	C (mm)	D (Typ)	E (mm)	F (mm)	G (mm)	Recommended Pad Dimensions				Package	
								A (mm)	B (mm)	C (mm)	D (mm)	Reel	Amount (pcs)
SCC7060□□□OESR	7.0±0.5	6.0±0.2	3.8Max	3.5	1.5±0.2	1.5±0.2	1.75±0.2	2.9	3.2	1.9	1.3	13"	2,500

EMI Suppression

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■ Part Numbers & Characteristic

● SCC3225 series

DARFONP/N	Size		Thickness (mm) Max	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at10MHz	
	Length	Width		Value	Unit							(Ω) typ	(Ω) min.
SCC3225900TPSI	3.2	2.5	2.60	90	Ω	$\pm 25\%$	0.100	1,000	50	125	10	9	--
SCC3225121TPSI				120	Ω	$\pm 25\%$	0.100	1,000	50	125	10	33	--
SCC3225601TPSI				600	Ω	$\pm 25\%$	0.200	1,000	50	125	10	120	--
SCC3225102TPSI				1000	Ω	$\pm 25\%$	0.300	400	50	125	10	110	--
SCC3225142TPSI				1400	Ω	$\pm 25\%$	0.350	400	50	125	10	150	--
SCC3225222TPSI				2200	Ω	$\pm 25\%$	0.420	400	50	125	10	500	--
SCC3225900TPCI	3.2	2.5	2.60	90	Ω	$\pm 25\%$	0.060	3,000	80	125	10	9	--
SCC3225201TPCI				200	Ω	$\pm 25\%$	0.080	3,000	80	125	10	26	--
SCC3225501TPCI				500	Ω	$\pm 25\%$	0.080	2,000	80	125	10	80	--
SCC3225601TPCI				600	Ω	$\pm 25\%$	0.080	2,000	80	125	10	120	--
SCC3225102TPCI				1000	Ω	$\pm 25\%$	0.055	3,000	80	125	10	120	--
SCC3225102TPAI	3.2	2.5	2.60	1000	Ω	$\pm 25\%$	0.100	1,500	80	125	10	123	--
SCC3225110PPPTI	3.2	2.5	2.60	11	Ω	+50/-30%	0.400	300	80	125	10	550	300
SCC3225220PPPTI				22	Ω	+50/-30%	0.500	250	80	125	10	1,100	500
SCC3225510PPPTI				51	Ω	+50/-30%	0.700	200	80	125	10	2,600	1,000
SCC3225101PPPTI				100	Ω	+50/-30%	1.500	150	80	125	10	5,100	2,200
SCC3225201NPPTI				200	Ω	+30/-10%	5.500	70	80	125	10	9,400	--
SCC3225110PPPMI	3.2	2.5	2.60	11	Ω	+50/-30%	0.400	300	80	125	10	550	300
SCC3225220PPPMI				22	Ω	+50/-30%	0.500	250	80	125	10	1,100	500
SCC3225510PPPMI				51	Ω	+50/-30%	0.700	200	80	125	10	2,600	1,000
SCC3225101PPPMI				100	Ω	+50/-30%	1.500	150	80	125	10	5,100	2,200

※OPERATING TEMPERATURE RANGE:-25°C TO+125°C

※SCC3225201NPPTI OPERATING TEMPERATURE RANGE:-40°C TO+125°C

● SCC4532 series

DARFONP/N	Size		Thickness (mm) Max	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at10MHz	
	Length	Width		Value	Unit							(Ω) typ	(Ω) min.
SCC4532110PPML	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
SCC4532220PPML				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
SCC4532510PPML				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
SCC4532101PPML				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
SCC4532110PPTL	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
SCC4532220PPTL				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
SCC4532510PPTL				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
SCC4532101PPTL				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
SCC4532110PPSL	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
SCC4532220PPSL				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
SCC4532510PPSL				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
SCC4532101PPSL				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
SCC4532110PPAL	4.5	3.2	3.00	11	Ω	+40/-30%	0.600	250	80	125	10	600	300
SCC4532220PPAL				22	Ω	+40/-30%	1.000	200	80	125	10	1,200	500
SCC4532510PPAL				51	Ω	+40/-30%	1.000	200	80	125	10	2,800	1,000
SCC4532101PPAL				100	Ω	+40/-30%	2.000	150	80	125	10	5,800	2,000
SCC4532900TPSL	4.5	3.2	3.00	90	Ω	$\pm 25\%$	0.050	3,000	50	125	10	10	--
SCC4532121TPSL				120	Ω	$\pm 25\%$	0.100	3,000	50	125	10	12	--
SCC4532601TPSL				600	Ω	$\pm 25\%$	0.100	1,500	50	125	10	155	--
SCC4532801TPSL				800	Ω	$\pm 25\%$	0.090	1,500	50	125	10	150	--

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DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
SCC4532102TPSL	4.5	3.2	3.00	1000	Ω	$\pm 25\%$	0.090	1,500	50	125	10	110	--
SCC4532142TPSL				1400	Ω	$\pm 25\%$	0.100	1,500	50	125	10	150	--
SCC4532601TPCL	4.5	3.2	3.00	600	Ω	$\pm 25\%$	0.065	2,500	50	125	10	--	--
SCC4532801TPCL				800	Ω	$\pm 25\%$	0.100	1,000	60	125	10	140	--
SCC4532102TPCL				1000	Ω	$\pm 25\%$	0.100	1,000	60	125	10	160	--

※OPERATING TEMPERATURE RANGE:-40°C TO+125°C

※SCC4532□□□TPCL OPERATING TEMPERATURE RANGE:-25°C TO+125°C

● SCC5050 series

DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
SCC5050101OESJ	4.8	5.0	2.50	100	Ω	--	0.010	6,000	50	125	10	13	--
SCC5050251OESJ				250	Ω	--	0.014	5,000	50	125	10	20	--
SCC5050501OESJ				500	Ω	--	0.019	4,000	50	125	10	30	--
SCC5050102OESJ				1000	Ω	--	0.024	3,000	50	125	10	60	--
SCC5050142OESJ				1400	Ω	--	0.040	2,000	50	125	10	100	--
SCC5050152OESJ				1500	Ω	--	0.040	2,000	50	125	10	100	--
SCC5050102OESP	4.8	5.0	4.80	1000	Ω	--	0.016	4,500	50	125	10	60	--

※OPERATING TEMPERATURE RANGE:-25°C TO+125°C

● SCC7060 series

DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
SCC7060101OESR	7.0	6.0	3.80	100	Ω	--	0.010	9,000	80	125	10	100	--
SCC7060301OESR				300	Ω	--	0.010	5,000	80	125	10	150	--
SCC7060501OESR				500	Ω	--	0.010	5,000	80	125	10	200	--
SCC7060601OESR				600	Ω	--	0.015	4,000	80	125	10	200	--
SCC7060701OESR				700	Ω	--	0.015	4,000	80	125	10	90	--
SCC7060102OESR				1000	Ω	--	0.017	3,000	80	125	10	370	--
SCC7060132OESR				1300	Ω	--	0.021	2,500	80	125	10	450	--
SCC7060142OESR				1400	Ω	--	0.021	2,500	80	125	10	450	--
SCC7060202OESR				2000	Ω	--	0.050	1,000	80	125	10	700	--
SCC7060302OESR				3000	Ω	--	0.075	1,000	80	125	10	1,200	--

※OPERATING TEMPERATURE RANGE:-40°C TO+125°C

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SMD CMM Choke for Power Lines Automotive

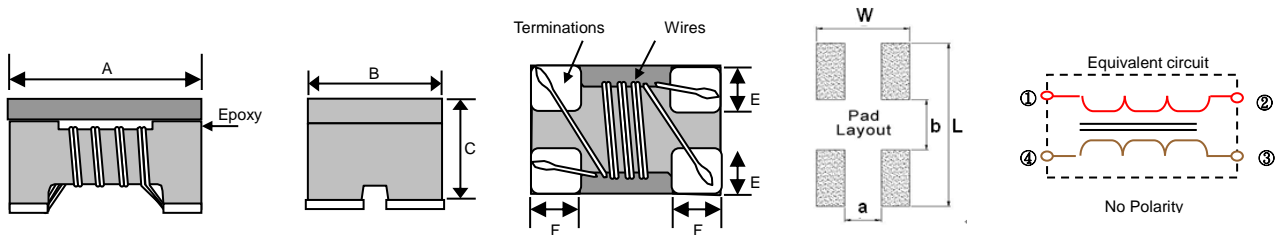
Feature.

5. RoHS Compliant
6. Miniature SMD type common mode filter for fully automated assembly.
7. Wide impedance range ($30\Omega \sim 2200\Omega$) for noise suppression
8. Excellent solder ability

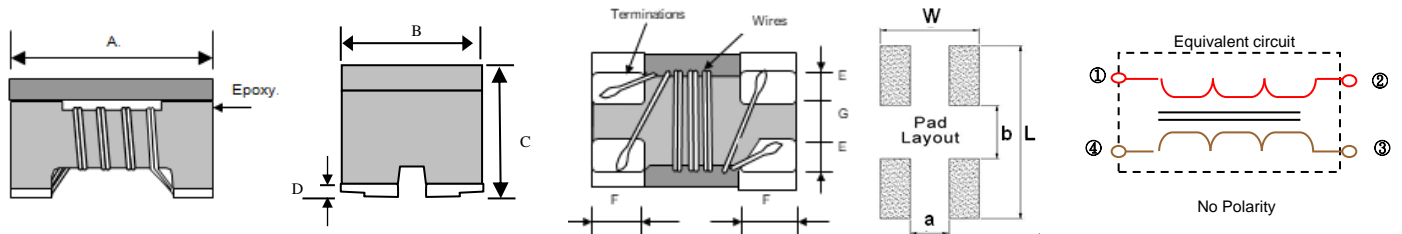
Application

5. High frequency noise countermeasure in personal computers, digital cameras and other information system products. For use on digital product clock lines and general signal lines.
6. Radiated noise suppression in computer or printer interfaces and harness connectors.
7. Noise suppression in video and other AV products.
8. Prevents interference between circuits in cellular phones (PHS, PDC, etc.)

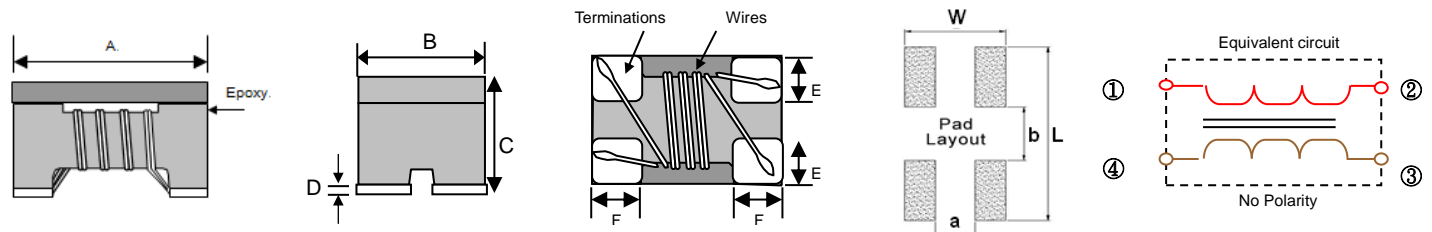
External Dimension



Series	A (mm)	B (mm)	C (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
						W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC3225□□□TPSI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	3.5	4.4	0.6	1.6	7"	2,000
ACC3225□□□TPCI	3.2±0.2	2.5±0.2	2.2±0.2	0.8	0.65	3.5	4.4	0.6	1.6	7"	2,000
ACC3225102TPCI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	3.5	4.4	0.6	1.6	7"	2,000
ACC3225□□□TPAI	3.2±0.2	2.5±0.2	2.2±0.2	0.8	0.65	3.5	4.4	0.6	1.6	7"	2,000
ACC3225201NPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.8	2.5	4.1	0.4	2.0	7"	2,000
ACC3225□□□PPMI	3.2±0.2	2.5±0.2	2.2±0.2	0.9	0.6	1.6	4.1	0.4	2.0	7"	2,000
ACC4532□□□TPSL	4.5±0.2	3.2±0.2	2.8±0.2	1.2	1.0	3.8	4.8	0.7	2.5	7"	500
ACC4532□□□TPCL	4.5±0.2	3.2±0.2	2.8±0.2	1.2	1.0	3.8	4.8	0.7	2.5	7"	500

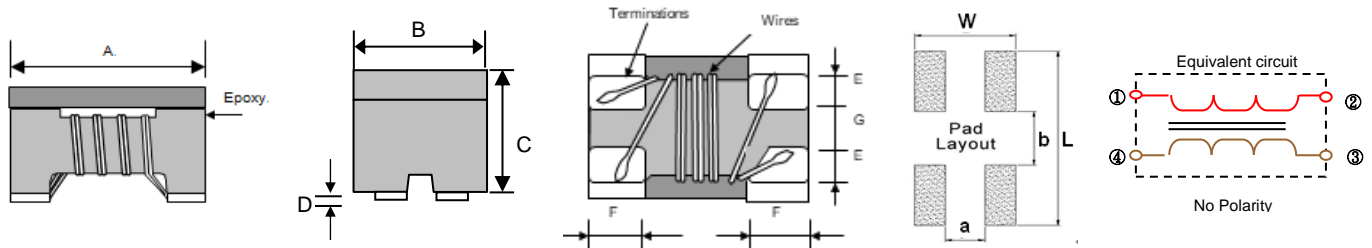


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC3225□□□PPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.2±0.1	0.8	0.6	0.5	2.5	4.4	0.4	2.0	7"	2,000

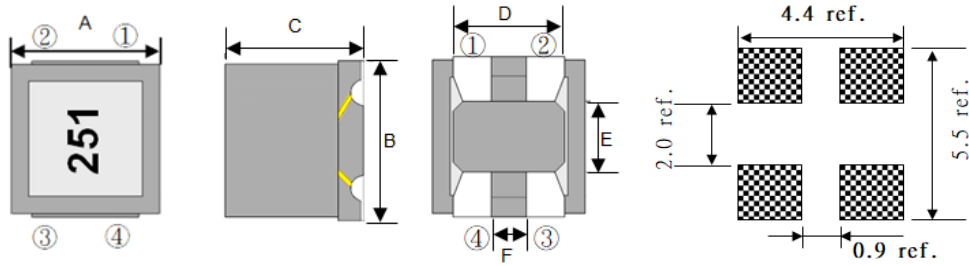


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
							W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC4532□□□PPML	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
ACC4532□□□PPSL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
ACC4532□□□PPAL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.64	0.7	3.15	4.4	0.75	2.4	7"	500

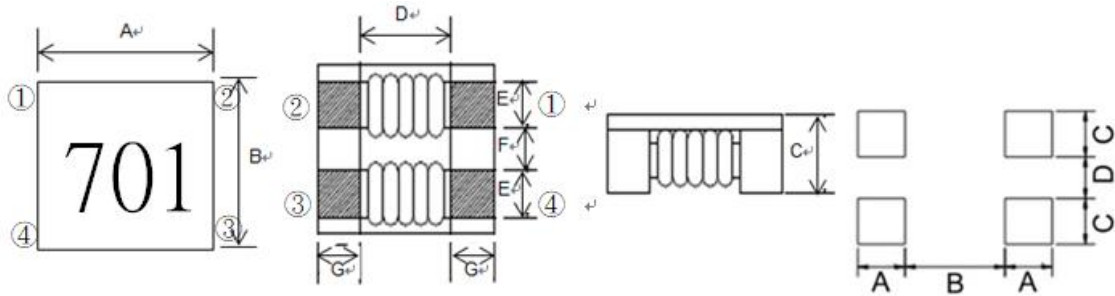
This catalog contains typical product specifications. When you consider using our products, please check our product specification sheets. (Characteristic diagram, reliability information, application notes... etc.)



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC4532□□□PPTL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.7	0.75	0.8	3.15	4.4	0.75	2.4	7"	500



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Package	
							Reel	Amount (pcs)
ACC5050□□□OESJ	4.8±0.3	5.0±0.3	2.3±0.2	3.5±0.2	2.2±0.2	1.1±0.2	13"	2,500
ACC5050□□□OESP	4.8±0.3	5.0±0.3	4.5±0.3	3.5 Typ	2.2 Typ	1.1 Typ	13"	1,500



Series	A (mm)	B (mm)	C (mm)	D (Typ)	E (mm)	F (mm)	G (mm)	Recommended Pad Dimensions				Package	
								A (mm)	B (mm)	C (mm)	D (mm)	Reel	Amount (pcs)
ACC7060□□□OESR	7.0±0.5	6.0±0.2	3.8Max	3.5	1.5±0.2	1.5±0.2	1.75±0.2	2.9	3.2	1.9	1.3	13"	2,500

EMI Suppression

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■ Part Numbers & Characteristic

● ACC3225 series

DARFONP/N	Size		Thickness (mm) Max	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Value	Unit							(Ω) typ	(Ω) min.
ACC3225900TPSI	3.2	2.5	2.60	90	Ω	$\pm 25\%$	0.100	1,000	50	125	10	9	--
ACC3225121TPSI				120	Ω	$\pm 25\%$	0.100	1,000	50	125	10	33	--
ACC3225601TPSI				600	Ω	$\pm 25\%$	0.200	1,000	50	125	10	120	--
ACC3225102TPSI				1000	Ω	$\pm 25\%$	0.300	400	50	125	10	110	--
ACC3225142TPSI				1400	Ω	$\pm 25\%$	0.350	400	50	125	10	150	--
ACC3225222TPSI				2200	Ω	$\pm 25\%$	0.420	400	50	125	10	500	--
ACC3225900TPCI	3.2	2.5	2.60	90	Ω	$\pm 25\%$	0.060	3,000	80	125	10	9	--
ACC3225201TPCI				200	Ω	$\pm 25\%$	0.080	3,000	80	125	10	26	--
ACC3225501TPCI				500	Ω	$\pm 25\%$	0.080	2,000	80	125	10	80	--
ACC3225601TPCI				600	Ω	$\pm 25\%$	0.080	2,000	80	125	10	120	--
ACC3225102TPCI				1000	Ω	$\pm 25\%$	0.055	3,000	80	125	10	120	--
ACC3225102TPAI	3.2	2.5	2.60	1000	Ω	$\pm 25\%$	0.100	1,500	80	125	10	123	--
ACC3225110PPPTI	3.2	2.5	2.60	11	Ω	+50/-30%	0.400	300	80	125	10	550	300
ACC3225220PPPTI				22	Ω	+50/-30%	0.500	250	80	125	10	1,100	500
ACC3225510PPPTI				51	Ω	+50/-30%	0.700	200	80	125	10	2,600	1,000
ACC3225101PPPTI				100	Ω	+50/-30%	1.500	150	80	125	10	5,100	2,200
ACC3225201NPPTI				200	Ω	+30/-10%	5.500	70	80	125	10	9,400	--
ACC3225110PPPMI	3.2	2.5	2.60	11	Ω	+50/-30%	0.400	300	80	125	10	550	300
ACC3225220PPPMI				22	Ω	+50/-30%	0.500	250	80	125	10	1,100	500
ACC3225510PPPMI				51	Ω	+50/-30%	0.700	200	80	125	10	2,600	1,000
ACC3225101PPPMI				100	Ω	+50/-30%	1.500	150	80	125	10	5,100	2,200

※OPERATING TEMPERATURE RANGE:-25°C TO+125°C

※ACC3225201NPPTI OPERATING TEMPERATURE RANGE:-40°C TO+125°C

● ACC4532 series

DARFONP/N	Size		Thickness (mm) Max	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Value	Unit							(Ω) typ	(Ω) min.
ACC4532110PPML	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
ACC4532220PPML				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
ACC4532510PPML				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
ACC4532101PPML				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
ACC4532110PPTL	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
ACC4532220PPTL				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
ACC4532510PPTL				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
ACC4532101PPTL				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
ACC4532110PPSL	4.5	3.2	3.00	11	Ω	+50/-30%	0.600	250	50	125	10	600	300
ACC4532220PPSL				22	Ω	+50/-30%	1.000	200	50	125	10	1,200	500
ACC4532510PPSL				51	Ω	+50/-30%	1.000	200	50	125	10	2,800	1,000
ACC4532101PPSL				100	Ω	+50/-30%	2.000	150	50	125	10	5,800	2,000
ACC4532110PPAL	4.5	3.2	3.00	11	Ω	+40/-30%	0.600	250	80	125	10	600	300
ACC4532220PPAL				22	Ω	+40/-30%	1.000	200	80	125	10	1,200	500
ACC4532510PPAL				51	Ω	+40/-30%	1.000	200	80	125	10	2,800	1,000
ACC4532101PPAL				100	Ω	+40/-30%	2.000	150	80	125	10	5,800	2,000
ACC4532900TPSL	4.5	3.2	3.00	90	Ω	$\pm 25\%$	0.050	3,000	50	125	10	10	--
ACC4532121TPSL				120	Ω	$\pm 25\%$	0.100	3,000	50	125	10	12	--
ACC4532601TPSL				600	Ω	$\pm 25\%$	0.100	1,500	50	125	10	155	--

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DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
ACC4532801TPSL				800	Ω	$\pm 25\%$	0.090	1,500	50	125	10	150	--
ACC4532102TPSL	4.5	3.2	3.00	1000	Ω	$\pm 25\%$	0.090	1,500	50	125	10	110	--
ACC4532142TPSL				1400	Ω	$\pm 25\%$	0.100	1,500	50	125	10	150	--
ACC4532601TPCL	4.5	3.2	3.00	600	Ω	$\pm 25\%$	0.065	2,500	50	125	10	--	--
ACC4532801TPCL				800	Ω	$\pm 25\%$	0.100	1,000	60	125	10	140	--
ACC4532102TPCL				1000	Ω	$\pm 25\%$	0.100	1,000	60	125	10	160	--

※OPERATING TEMPERATURE RANGE:-40°C TO+125°C

※ACC4532801TPCL/ACC4532102TPCL OPERATING TEMPERATURE RANGE:-25°C TO+125°C

● ACC5050 series

DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
ACC5050101OESJ	4.8	5.0	2.50	100	Ω	--	0.010	6,000	50	125	10	13	--
ACC5050251OESJ				250	Ω	--	0.014	5,000	50	125	10	20	--
ACC5050501OESJ				500	Ω	--	0.019	4,000	50	125	10	30	--
ACC5050102OESJ				1000	Ω	--	0.024	3,000	50	125	10	60	--
ACC5050142OESJ				1400	Ω	--	0.040	2,000	50	125	10	100	--
ACC5050152OESJ				1500	Ω	--	0.040	2,000	50	125	10	100	--
ACC5050102OESP	4.8	5.0	4.80	1000	Ω	--	0.016	4,500	50	125	10	60	--

※OPERATING TEMPERATURE RANGE:-25°C TO+125°C

● ACC7060 series

DARFONP/N	Size		Thickness (mm)	Impedance at 100MHz		Impedance Tolerance %	DC Resistance Ω (Max)	Rated Current mA(Max)	Rate Voltage (V)	Withstand Voltage (Vdc)	Insulation resistance (M Ω)	Common Mode Impedance at 10MHz	
	Length	Width		Max.	Value							Unit	(Ω) typ
ACC7060101OESR	7.0	6.0	3.80	100	Ω	--	0.010	9,000	80	125	10	100	--
ACC7060301OESR				300	Ω	--	0.010	5,000	80	125	10	150	--
ACC7060501OESR				500	Ω	--	0.010	5,000	80	125	10	200	--
ACC7060601OESR				600	Ω	--	0.015	4,000	80	125	10	200	--
ACC7060701OESR				700	Ω	--	0.015	4,000	80	125	10	90	--
ACC7060102OESR				1000	Ω	--	0.017	3,000	80	125	10	370	--
ACC7060132OESR				1300	Ω	--	0.021	2,500	80	125	10	450	--
ACC7060142OESR				1400	Ω	--	0.021	2,500	80	125	10	450	--
ACC7060202OESR				2000	Ω	--	0.050	1,000	80	125	10	700	--
ACC7060302OESR				3000	Ω	--	0.075	1,000	80	125	10	1,200	--

※OPERATING TEMPERATURE RANGE:-40°C TO+125°C

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