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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 : ± 25%

PACKAGING CODE

T : Paper Tape Reel
 P : Plastic Tape Reel

TYPE CODE

S : Standard Type
 R : Low DCR

THICKNESS CODE(mm)

5 : 0.5
 8 : 0.8
 9 : 0.9
 B : 1.1

INTERNAL CODE

EMI Suppression

■ 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 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	--
9070	9.00 X 7.00 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		30 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			
	BP1608_S8	1.6*0.8	1		19 Ω		1000 Ω		
	BP1608_R8	1.6*0.8	1	7 Ω	60 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_MC	2.05*1.20	1.4			90 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_P_L	4.50*3.20	3		11 Ω	100 Ω			
	SCC4532_SL	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
SCC9070_SP	9.00*7.00	4.8				300 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	ACC3225_SI	3.20*2.50	2.6		90 Ω				2200 Ω
	ACC3225_CI	3.20*2.50	2.6		90 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_P_L	4.50*3.20	3		11 Ω	100 Ω			
	ACC4532_SL	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
ACC9070_SP	9.00*7.00	4.8				300 Ω		3000 Ω	

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Beads for Signal Lines (BF series)

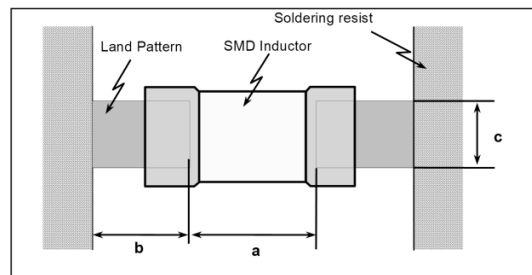
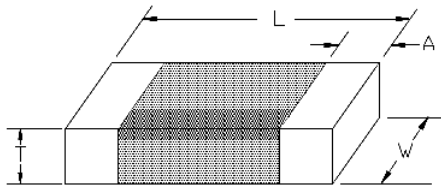
■ Feature

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	T	A	Recommended Pad Dimensions				Package	
					L x W (mm)	a (mm)	b (mm)	c (mm)	Type	Amount (pcs)
1005 (0402)	1.0 ± 0.05 (0.039 ± 0.002)	0.5 ± 0.05 (0.02 ± 0.002)	0.5 ± 0.05 (0.02 ± 0.002)	0.1~0.3 (0.004~0.012)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	10,000
1608 (0603)	1.60 ± 0.15 (0.063±0.008)	0.80 ± 0.15 (0.031±0.008)	0.80 ± 0.15 (0.012±0.008)	0.30 ± 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)	1.25 ± 0.20 (0.047±0.008)	0.90 ± 0.20 (0.020±0.012)	0.50 ± 0.30 (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)	1.10 ± 0.20 (0.020±0.012)	0.4~1	3.2*1.6	2.1to2.5	1.00to1.20	1.3to1.6	Plastic	3,000

EMI Suppression

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■ Part Numbers & Characteristics (General Purpose)

● BF1005 series(EIA 0402 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF1005100TTS5□□	1.00	0.50	0402	0.55	10	100	±25%	0.025	1,000	100MHz/0.5V
BF1005300TTS5□□					30	300	±25%	0.08	1,000	100MHz/0.5V
BF1005600TTS5□□					60	600	±25%	0.15	500	100MHz/0.5V
BF1005121TTS5□□					120	121	±25%	0.19	550	100MHz/0.5V
BF1005221TTS5□□					220	221	±25%	0.28	700	100MHz/0.5V
BF1005241TTS5□□					240	241	±25%	0.28	700	100MHz/0.5V
BF1005301TTS5□□					300	301	±25%	0.28	700	100MHz/0.5V
BF1005471TTS5□□					470	471	±25%	0.34	420	100MHz/0.5V
BF1005601TTS5□□					600	601	±25%	0.52	300	100MHz/0.5V
BF1005102TTS5□□					1000	102	±25%	0.6	500	100MHz/0.5V
BF1005152TTS5□□					1500	152	±25%	0.5	500	100MHz/0.5V
BF1005182TTS5□□					1800	182	±25%	0.8	250	100MHz/0.5V
BF1005221TTR5□□					1.00	0.50	0402	0.55	220	221
BF1005601TTR5□□	600	601	±25%	0.34					500	100MHz/0.5V
BF1005102TTR5□□	1000	102	±25%	0.49					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 Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF1608100TTS8□□	1.60	0.80	0603	1.00	10	100	±25%	0.05	600	100MHz/0.5V
BF1608300TTS8□□					30	300	±25%	0.08	600	100MHz/0.5V
BF1608600TTS8□□					60	600	±25%	0.1	600	100MHz/0.5V
BF1608800TTS8□□					80	800	±25%	0.1	600	100MHz/0.5V
BF1608101TTS8□□					100	101	±25%	0.15	600	100MHz/0.5V
BF1608121TTS8□□					120	121	±25%	0.1	800	100MHz/0.5V
BF1608221TTS8□□					220	221	±25%	0.25	700	100MHz/0.5V
BF1608301TTS8□□					300	301	±25%	0.35	600	100MHz/0.5V
BF1608471TTS8□□					470	471	±25%	0.35	500	100MHz/0.5V
BF1608601TTS8□□					600	601	±25%	0.4	600	100MHz/0.5V
BF1608102TTS8□□					1000	102	±25%	0.5	600	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 Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BF2012300TTS9□□	2.00	1.20	0805	1.10	30	300	±25%	0.05	800	100MHz/0.5V
BF2012800TTS9□□					80	800	±25%	0.15	800	100MHz/0.5V
BF2012121TTS9□□					120	121	±25%	0.15	800	100MHz/0.5V
BF2012221TTS9□□					220	221	±25%	0.2	500	100MHz/0.5V
BF2012301TTS9□□					300	301	±25%	0.2	700	100MHz/0.5V
BF2012601TTS9□□					600	601	±25%	0.2	700	100MHz/0.5V
BF2012102TTS9□□					1000	102	±25%	0.35	500	100MHz/0.5V

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

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● BF3216 series(EIA 1206 Size)

DARFONP/N	Size			Thickness (mm)	ImpedanceΩ		Impedance Tolerance %	DC Resistance Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA	Max.	Value	3-Digital				
BF3216260TPSB□□	3.20	1.60	1206	1.30	26	260	±25%	0.1	800	100MHz/0.5V
BF3216310TPSB□□					31	310	±25%	0.1	800	100MHz/0.5V

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

Beads for Power Lines (BP series)

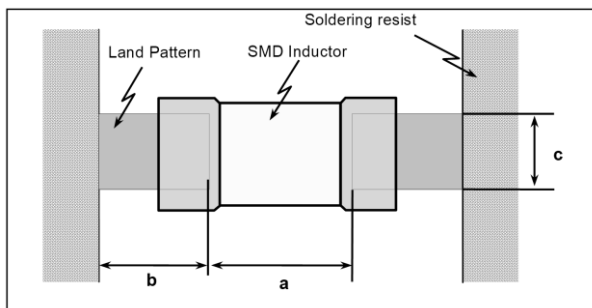
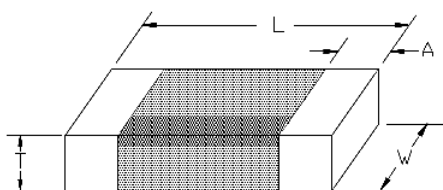
■ Feature

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 ± 0.05 (0.039 ± 0.02)	0.50 ± 0.05 (0.02 ± 0.002)	0.1~0.3 (0.004~0.012)	0.50 ± 0.05 (0.02 ± 0.002)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	4,000
1608 (0603)	1.6 ± 0.15 (0.063 ± 0.006)	0.8 ± 0.15 (0.031±0.006)	0.2~0.6 (0.008~0.024)	0.8 ± 0.15 (0.031±0.006)	1.6*0.8	0.7to1.0	0.6to0.8	0.7to0.8	Paper	4,000
2012 (0805)	2.0 ± 0.2 (0.079 ± 0.008)	1.25 ± 0.2 (0.049 ± 0.008)	0.2 ~ 0.8 (0.008 ~ 0.031)	0.9 +0.15 / -0.2 (0.035 +0.006 / -0.008)	2.0*1.2	1.0to1.3	0.7to0.9	1.0to1.2	Plastic	3,000
3216 (1206)	3.2 ± 0.2 (0.126 ± 0.008)	1.6 ± 0.2 (0.063 ± 0.008)	0.4 ~ 1.0	1.1 ± 0.2 (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 Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BP1005100TTS5□□	1.00	0.50	0402	0.60	10	100	±25%	0.030	2,000	100MHz/0.5V
BP1005300TTS5□□					30	300	±25%	0.035	2,200	100MHz/0.5V
BP1005600TTS5□□					60	600	±25%	0.060	1,700	100MHz/0.5V
BP1005700TTS5□□					70	700	±25%	0.090	1,200	100MHz/0.5V
BP1005800TTS5□□					80	800	±25%	0.070	1,500	100MHz/0.5V
BP1005101TTS5□□					100	101	±25%	0.090	1,200	100MHz/0.5V
BP1005181TTS5□□					180	181	±25%	0.090	1,200	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 Ω(Max)	Rated Current mA(Max)	Measuring
	Length	Width	EIA		Value	3-Digital				
BP1608190TTS8□□	1.60	0.80	0603	1.00	19	190	±25%	0.040	3,000	100MHz/0.5V
BP1608220TTS8□□					22	220	±25%	0.040	3,000	100MHz/0.5V
BP1608300TTS8□□					30	300	±25%	0.040	3,000	100MHz/0.5V
BP1608310TTS8□□					31	310	±25%	0.040	3,000	100MHz/0.5V
BP1608330TTS8□□					33	330	±25%	0.040	3,000	100MHz/0.5V
BP1608500TTS8□□					50	500	±25%	0.040	3,000	100MHz/0.5V
BP1608600TTS8□□					60	600	±25%	0.040	3,000	100MHz/0.5V
BP1608700TTS8□□					70	700	±25%	0.040	3,000	100MHz/0.5V
BP1608800TTS8□□					80	800	±25%	0.040	3,000	100MHz/0.5V
BP1608101TTS8□□					100	101	±25%	0.040	3,000	100MHz/0.5V
BP1608121TTS8□□					120	121	±25%	0.040	3,000	100MHz/0.5V
BP1608151TTS8□□					150	151	±25%	0.050	2,000	100MHz/0.5V
BP1608181TTS8□□					180	181	±25%	0.080	2,000	100MHz/0.5V
BP1608221TTS8□□					220	221	±25%	0.080	2,000	100MHz/0.5V
BP1608301TTS8□□					300	301	±25%	0.090	2,000	100MHz/0.5V
BP1608331TTS8□□					330	331	±25%	0.080	1,700	100MHz/0.5V
BP1608601TTS8□□					600	601	±25%	0.200	1,000	100MHz/0.5V
BP1608102TTS8□□	1000	102	±25%	0.200	1,000	100MHz/0.5V				
BP1608070TTR8□□	1.60	0.80	0603	1.00	7	070	±25%	0.025	4,000	100MHz/0.5V
BP1608101TTR8□□					10	100	±25%	0.010	6,000	100MHz/0.5V
BP1608220TTR8□□					22	220	±25%	0.008	6,000	100MHz/0.5V
BP1608260TTR8□□					26	260	±25%	0.008	6,000	100MHz/0.5V
BP1608300TTR8□□					30	300	±25%	0.008	6,000	100MHz/0.5V
BP1608330TTR8□□					33	330	±25%	0.008	6,000	100MHz/0.5V
BP1608600TTR8□□					60	600	±25%	0.020	3,500	100MHz/0.5V

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

● BP2012 series(EIA 0805 Size)

DARFONP/N	Size			Thickness (mm) Max.	ImpedanceΩ		Impedance Tolerance %	DC Resistance Ω(Max).	Rated Current mA(Max).	Measuring
	Length	Width	EIA		Value	3-Digital				
BP2012070TTS9□□	2.00	1.20	0805	1.10	7	070	±25%	0.008	6,000	100MHz/0.5V
BP2012110TTS9□□					11	110	±25%	0.008	6,000	100MHz/0.5V
BP2012220TTS9□□					22	220	±25%	0.008	6,000	100MHz/0.5V
BP2012300TTS9□□					30	300	±25%	0.008	6,000	100MHz/0.5V
BP2012500TTS9□□					50	500	±25%	0.020	4,000	100MHz/0.5V
BP2012600TTS9□□					60	600	±25%	0.015	5,000	100MHz/0.5V
BP2012800TTS9□□					80	800	±25%	0.010	5,000	100MHz/0.5V
BP2012101TTS9□□					100	800	±25%	0.040	3,000	100MHz/0.5V
BP2012121TTS9□□					120	121	±25%	0.020	4,000	100MHz/0.5V
BP2012181TTS9□□					180	181	±25%	0.050	3,000	100MHz/0.5V
BP2012221TTS9□□					220	221	±25%	0.050	3,000	100MHz/0.5V
BP2012301TTS9□□					300	301	±25%	0.050	3,000	100MHz/0.5V
BP2012331TTS9□□					330	331	±25%	0.050	3,000	100MHz/0.5V
BP2012471TTS9□□					470	471	±25%	0.100	2,000	100MHz/0.5V
BP2012601TTS9□□					600	601	±25%	0.100	2,000	100MHz/0.5V
BP2012751TTS9□□					750	751	±25%	0.300	1,000	100MHz/0.5V
BP2012102TTS9□□					1000	102	±25%	0.300	1,000	100MHz/0.5V
BP2012122TTS9□□					1200	122	±25%	0.300	1,000	100MHz/0.5V
BP2012152TTS9□□					1500	152	±25%	0.300	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 Ω(Max).	Rated Current mA(Max).	Measuring
	Length	Width	EIA		Value	3-Digital				
BP3216190TTSB□□	3.20	1.60	1206	1.30	19	190	±25%	0.006	6,000	100MHz/0.5V
BP3216260TTSB□□					26	260	±25%	0.006	6,000	100MHz/0.5V
BP3216300TTSB□□					30	300	±25%	0.006	6,000	100MHz/0.5V
BP3216310TTSB□□					31	310	±25%	0.006	6,000	100MHz/0.5V
BP3216330TTSB□□					33	330	±25%	0.006	6,000	100MHz/0.5V
BP3216520TTSB□□					52	520	±25%	0.008	6,000	100MHz/0.5V
BP3216600TTSB□□					60	600	±25%	0.010	6,000	100MHz/0.5V
BP3216800TTSB□□					80	800	±25%	0.020	4,000	100MHz/0.5V
BP3216121TTSB□□					120	121	±25%	0.120	6,000	100MHz/0.5V
BP3216151TTSB□□					150	151	±25%	0.050	3,000	100MHz/0.5V
BP3216181TTSB□□					180	181	±25%	0.050	3,000	100MHz/0.5V
BP3216201TTSB□□					200	201	±25%	0.050	3,000	100MHz/0.5V
BP3216221TTSB□□					220	221	±25%	0.050	3,000	100MHz/0.5V
BP3216301TTSB□□					300	301	±25%	0.060	3,000	100MHz/0.5V
BP3216501TTSB□□					500	501	±25%	0.060	3,000	100MHz/0.5V
BP3216601TTSB□□					600	601	±25%	0.060	3,000	100MHz/0.5V
BP3216102TTSB□□					1000	102	±25%	0.300	1,000	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.)

Beads for High Speed Signal Lines (BH series)

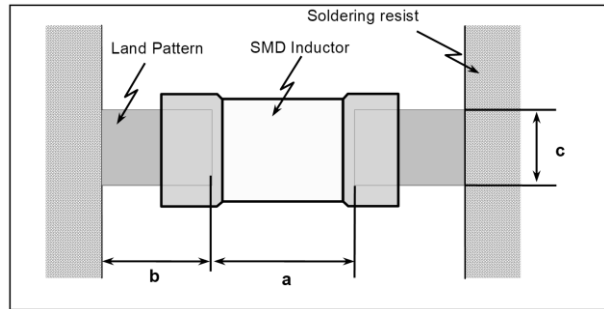
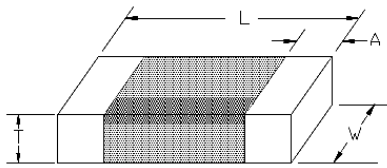
■ Feature

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.

■ 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)	L	W	A (Min/Max)	T	Recommended Pad Dimensions				Package	
					LxW (mm)	a (mm)	b (mm)	c (mm)	Type	Amount (pcs)
1005 (0402)	1 ± 0.05 (0.039 ± 0.002)	0.5 ± 0.05 (0.02 ± 0.002)	0.1 ~ 0.3 (0.004 ~ 0.012)	0.5 ± 0.05 (0.02 ± 0.002)	1.0*0.5	0.3to0.5	0.35to0.45	0.4to0.5	Paper	10,000
1608 (0603)	1.6 ± 0.15 (0.063 ± 0.006)	0.8 ± 0.15 (0.031 ± 0.006)	0.2 ~ 0.6 (0.008 ~ 0.024)	0.80±0.20 (0.031±0.006)	1.6*0.8	0.7to1.0	0.60to0.80	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 Ω(Max).	Rated Current mA(Max).	Measuring				
	Length	Width	EIA		Value	3-Digital								
BH1005750TTS5□□	1.00	0.50	0402	0.6	75	750	±25%	0.180	350	100MHz/0.5V				
BH1005121TTS5□□					120	121					±25%	0.180	300	100MHz/0.5V
BH1005241TTS5□□					240	241					±25%	0.300	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 Ω(Max).	Rated Current mA(Max).	Measuring				
	Length	Width	EIA		Value	3-Digital								
BH1608121TTS8□□	1.6	0.8	0603	0.95	120	121	±25%	0.200	500	100MHz/0.5V				
BH1608471TTS8□□					470	471					±25%	0.550	200	100MHz/0.5V
BH1608222TTS8□□					2200	222					±25%	1.000	50	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.)

SMD CMM Choke for Signal Lines

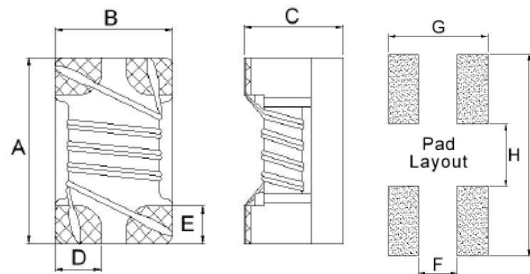
■ Feature.

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

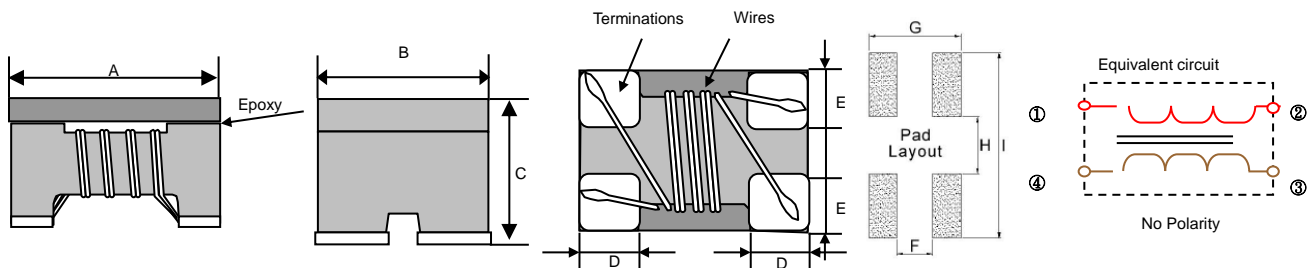
■ Application

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.)

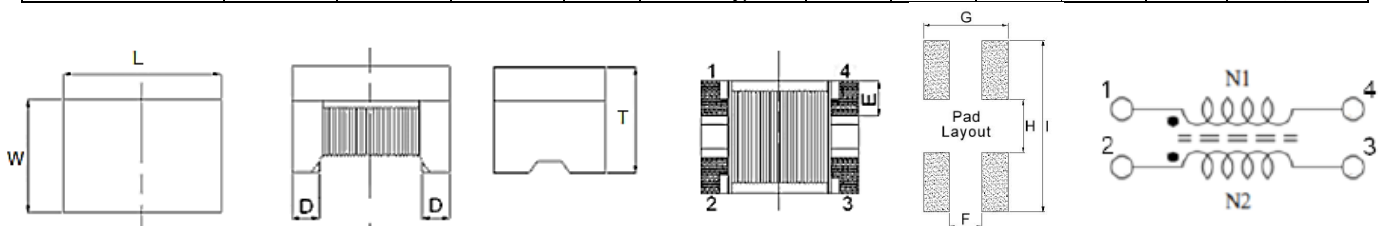
■ External Dimension



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		



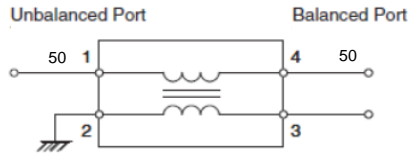
Series mm/(inch)	A (mm)	B (mm)	C (mm)	D (Typ)	E (mm)	Recommended Pad Dimensions				Package	
						F (mm)	G (mm)	H (mm)	I (mm)	Reel	Amount (pcs)
SC2012□□□□PTC*	2.00±0.2	1.20±0.2	1.20±0.1	0.4	0.435±0.015	0.40	1.20	0.80	2.60	7"	2,000
SC2012□□□□PMC*	2.00±0.2	1.20±0.2	1.20±0.2	0.45	0.4 Typ.	0.40	1.20	0.80	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	0805	1.40	67	Ω	$\pm 25\%$	0.250	400	50	125	10	100MHz
SCC2012900TPTC									90	Ω	$\pm 25\%$	0.300	370	50	125	10	100MHz
SCC2012121TPTC									120	Ω	$\pm 25\%$	0.350	330	50	125	10	100MHz

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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	0805	1.40	260	Ω	$\pm 25\%$	0.450	300	50	125	10	100MHz
SCC2012900TPMC	2.02	1.20	0805	1.40	90	Ω	$\pm 25\%$	0.300	300	50	125	10	100MHz

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

※SCC2012_TC OPERATING TEMPERATURE RANGE: -40°C TO +125°C (Including self – temperature rise)

※SCC2012_DC OPERATING TEMPERATURE RANGE: -40°C TO +85°C (Including self – temperature rise)

※SCC2012_MC OPERATING TEMPERATURE RANGE: -25°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

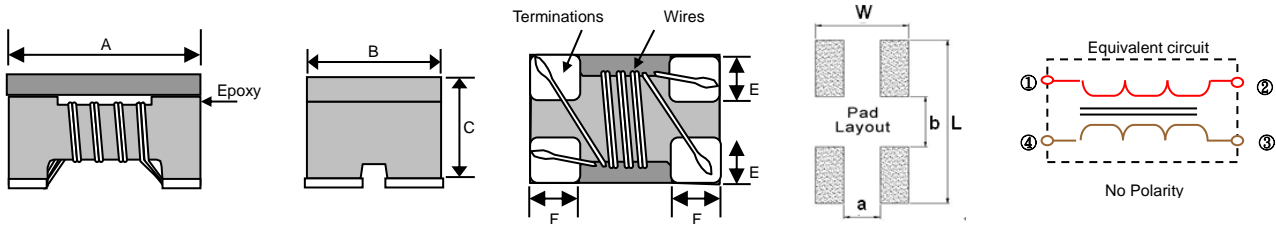
■ Feature.

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

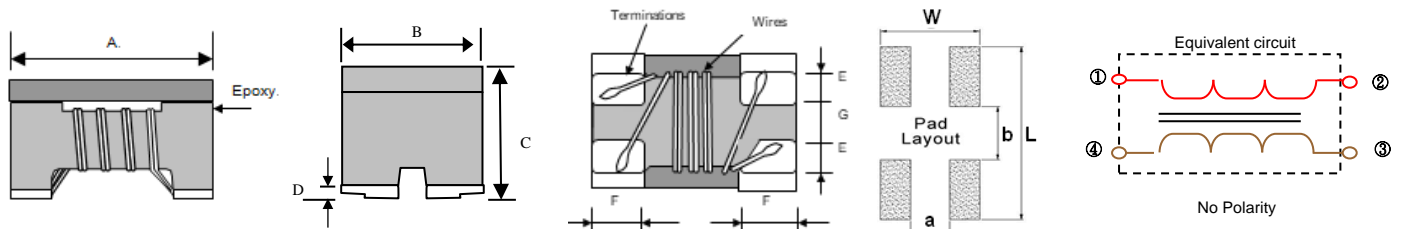
■ Application

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.)

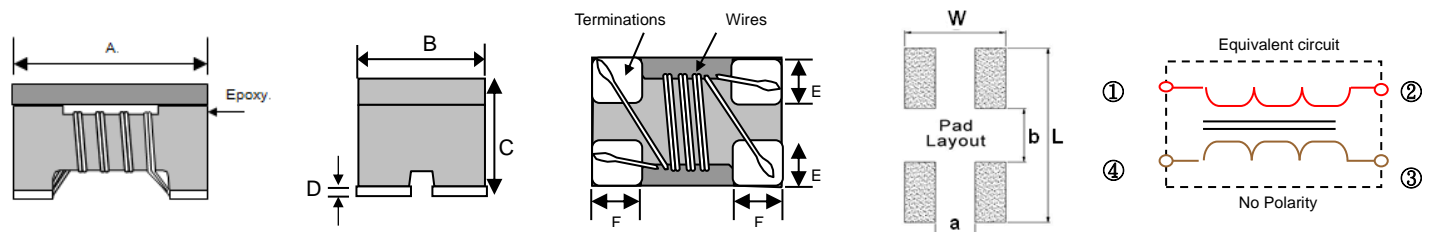
■ External Dimension



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

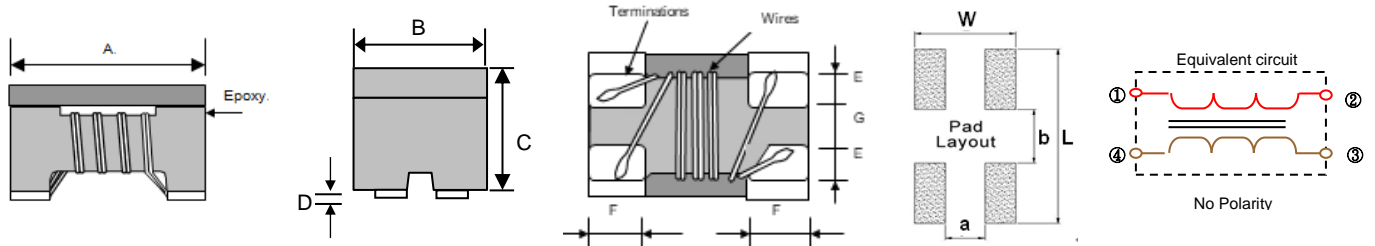


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC3225□□□PPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.2±0.1	0.8	0.6	0.5	2.5	4.4	0.4	2.0	7"	2,000

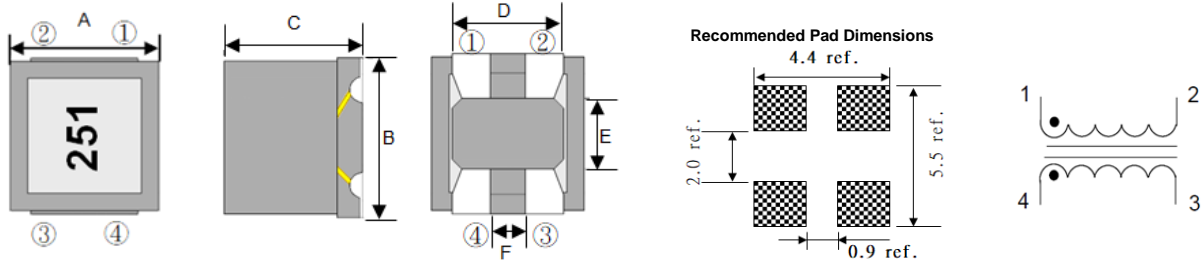


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
							W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC4532□□□PPML	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
SCC4532□□□PPSL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"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

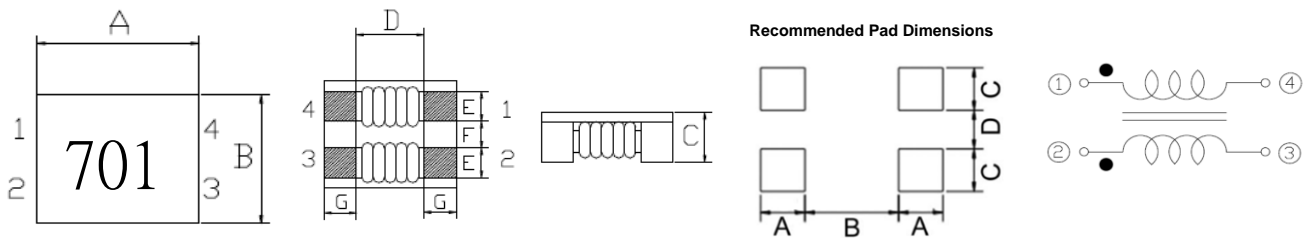
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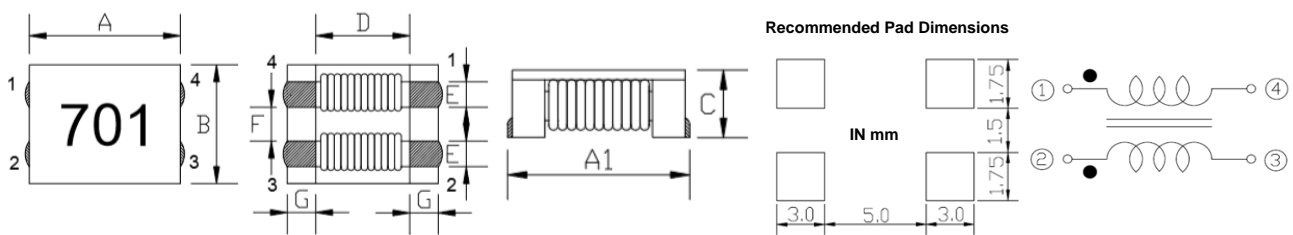
Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
SCC4532□□□PPTL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.7	0.75	0.8	3.15	4.4	0.75	2.4	7"	500



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



Series	A (mm)	A1 (mm)	B (mm)	C (mm)	D (Typ.)	E (mm)	F (mm)	G (mm)	Package	
									Reel	Amount (pcs)
SCC9070□□□OESP	9.0±0.5	9.5±0.51	7.0±0.51	4.8Max	5.7	1.5±0.2	2.0±0.2	1.7±0.2	13"	700

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 & 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
SCC3225220PPMI				22	Ω	+50/-30%	0.500	250	80	125	10	1,100	500
SCC3225510PPMI				51	Ω	+50/-30%	0.700	200	80	125	10	2,600	1,000
SCC3225101PPMI				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		DC Resistance Ω (Max) $\pm 40\%$	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	--
SCC5050191OESJ				190	Ω	0.014	5,000	50	125	10	20	--
SCC5050251OESJ				250	Ω	0.014	5,000	50	125	10	20	--
SCC5050351OESJ				350	Ω	0.019	4,000	50	125	10	30	--
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:-30°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

● SCC9070 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)
	Length	Width		Max.	(Ω) typ						
SCC9070301OESP	9.0	7.0	4.8	300	225	--	0.060	6,000	80	125	10
SCC9070501OESP				600	450	--	0.008	5,500	80	125	10

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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)
	Length	Width		Max.	(Ω) typ						
SCC9070701OESP	9.0	7.0	4.8	700	500	--	0.100	5,000	80	125	10
SCC9070102OESP				1,000	750	--	0.130	4,000	80	125	10
SCC9070202OESP				2,000	1,700	--	0.600	2,500	80	125	10
SCC9070272OESP				2,700	2,000	--	0.650	2,000	80	125	10
SCC9070302OESP				3,000	2,500	--	0.700	4,000	80	125	10

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

SMD CMM Choke for Power Lines Automotive

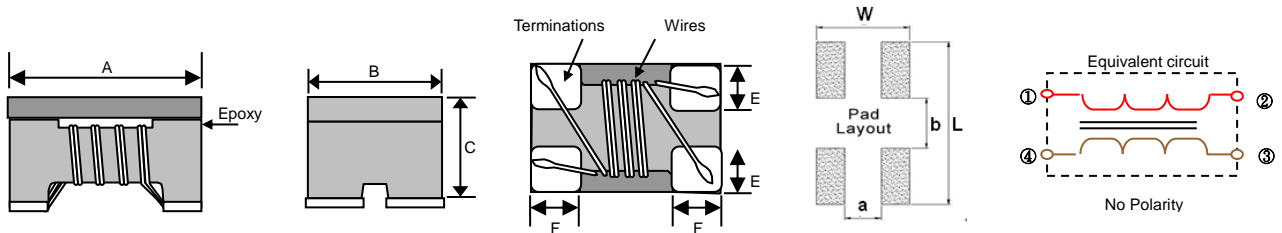
Feature.

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

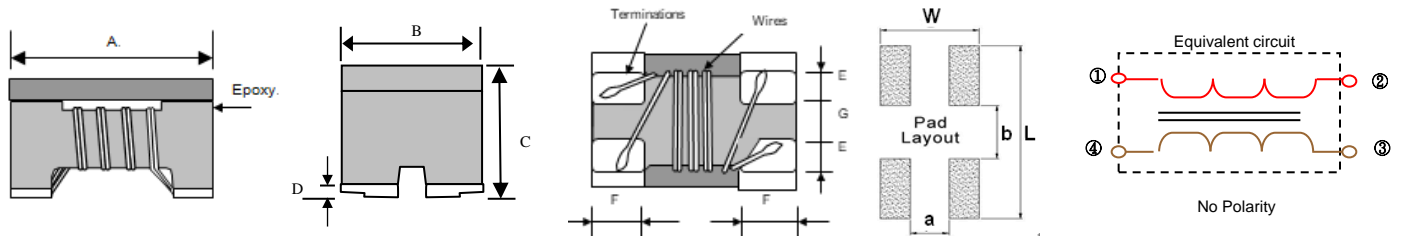
Application

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.)

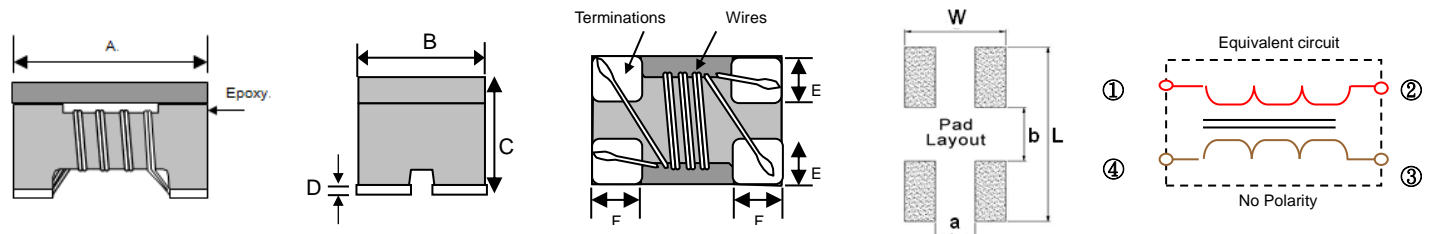
External Dimension



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

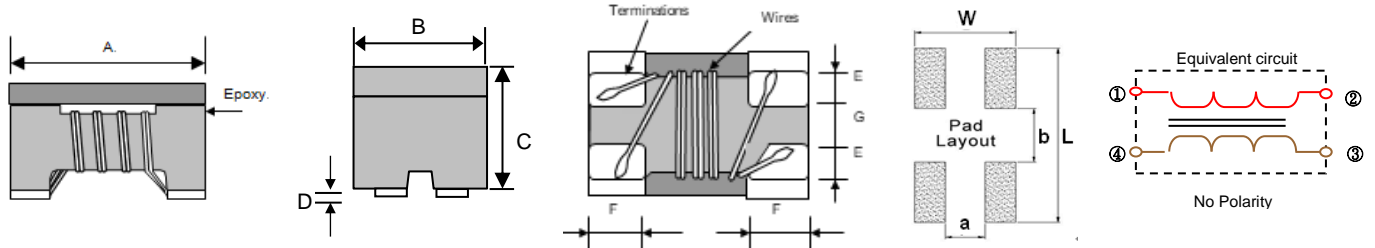


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC3225□□□PPTI	3.2±0.2	2.5±0.2	2.2±0.2	0.2±0.1	0.8	0.6	0.5	2.5	4.4	0.4	2.0	7"	2,000

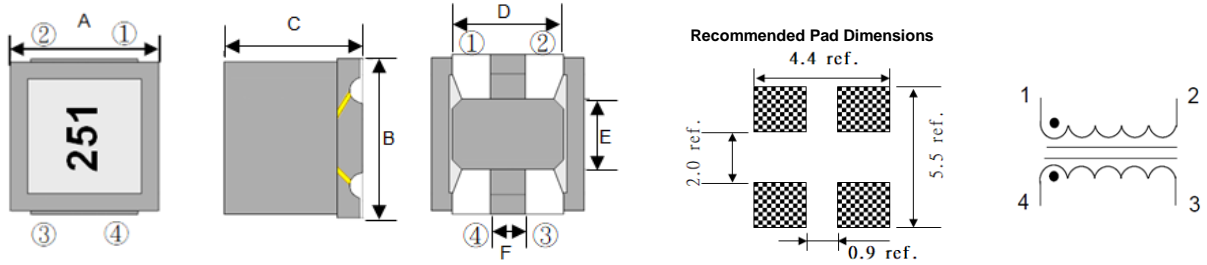


Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	Recommended Pad Dimensions				Package	
							W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC4532□□□PPML	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"	500
ACC4532□□□PPSL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.65	0.7	3.15	4.4	0.75	2.4	7"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

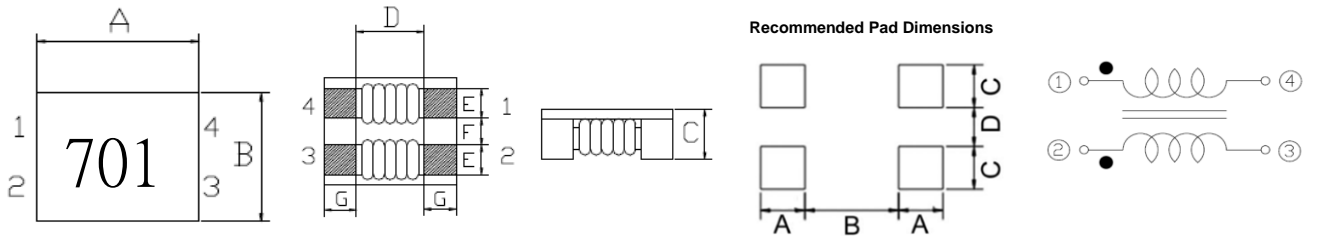
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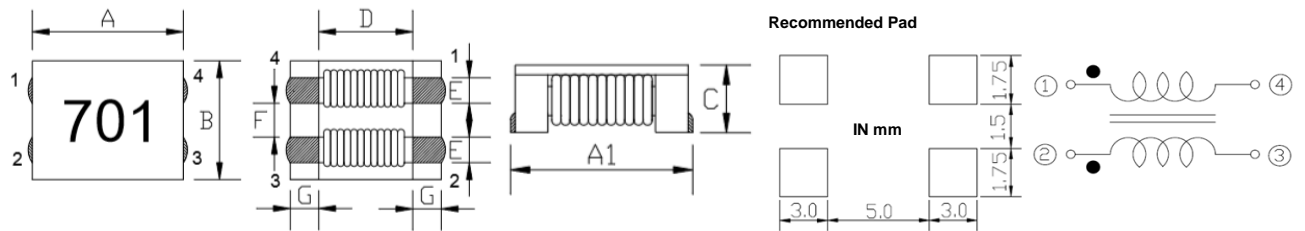
Series	A (mm)	B (mm)	C (mm)	D (mm)	E (Typ)	F (Typ)	G (Typ)	Recommended Pad Dimensions				Package	
								W (mm)	L (mm)	a (mm)	b (mm)	Reel	Amount (pcs)
ACC4532□□□PPTL	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	0.7	0.75	0.8	3.15	4.4	0.75	2.4	7"	500



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



Series	A (mm)	A1 (mm)	B (mm)	C (mm)	D (Typ.)	E (mm)	F (mm)	G (mm)	Package	
									Reel	Amount (pcs)
ACC9070□□□OESP	9.0±0.5	9.5±0.51	7.0±0.51	4.8Max	5.7	1.5±0.2	2.0±0.2	1.7±0.2	13"	700

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■ Part Numbers & Characteristic

● ACC3225 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
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)	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
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	--
ACC4532801TPSL				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
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		DC Resistance Ω (Max) $\pm 40\%$	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	--
ACC5050191OESJ				250	Ω	0.014	5,000	50	125	10	20	--
ACC5050251OESJ				250	Ω	0.014	5,000	50	125	10	20	--
ACC5050351OESJ				500	Ω	0.019	4,000	50	125	10	30	--
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:-30°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

● ACC9070 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)
	Length	Width		Max.	Ω typ						
ACC9070301OESP	9.0	7.0	4.8	300	225	--	0.060	6,000	80	125	10
ACC9070501OESP				600	450	--	0.008	5,500	80	125	10

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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)
	Length	Width		Max.	(Ω) typ						
ACC9070701OESP	9.0	7.0	4.8	700	500	--	0.100	5,000	80	125	10
ACC9070102OESP				1,000	750	--	0.130	4,000	80	125	10
ACC9070202OESP				2,000	1,700	--	0.600	2,500	80	125	10
ACC9070272OESP				2,700	2,000	--	0.650	2,000	80	125	10
ACC9070302OESP				3,000	2,500	--	0.700	4,000	80	125	10

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