

Base Pin Common Filter – BPCF-1211 Series

Operating Temp. :



Type	E Series	C Series	B Series	A Series
Courier Temp.	≥500℃	≥120℃	≥220℃	≥200℃
Operating Temp.	-55℃~125℃	-55℃~105℃	-55℃~125℃	-55℃~125℃

FEATURES

- 大电流
- 封装尺寸小
- High current
- Small dimension

APPLICATIONS

- Common mode noise suppression of power lines of consumer electronics
- Common mode noise suppression of SCR and TRIAC
- Decrease peak voltage in switching

PRODUCT IDENTIFICATION

BPCF A 1211 S - 100

①

①

Type	
BPCF	Base Pin Common Filter

③

External Dimensions (L×H) (mm)	
1211	12×11

④

Winding Code	
S	Sectional
B	Bifilar

②

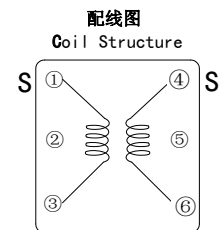
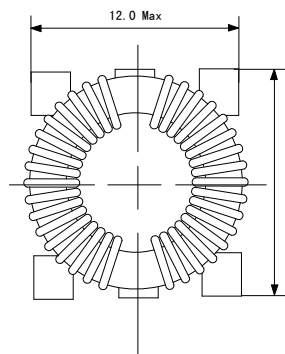
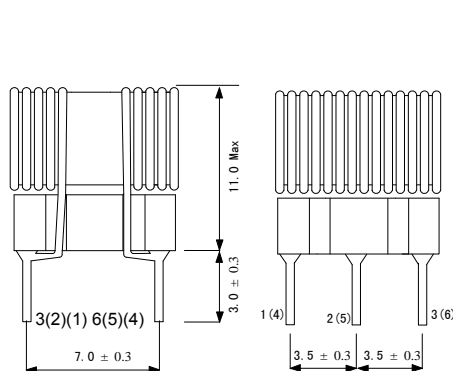
Product Series	
A	Iron Core
B	Ferrite Core
C	Ferrite Core
E	Nano-Alloys Core

⑤

Inductance Value (μH)	
1R0	1.0
100	10
101	100

SHAPE AND DIMENSIONS

Unit: mm



S: 卷线开始
S: Winding Start

SPECIFICATIONS

BPCFA1211 TYPE

Part Number	Ref. Inductance @1kHz, 0.3V	Min. Inductance @1kHz, 0.3V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	μH	μH	m Ω	A
Symbol	L	L	DCR	I _r
BPCFA1211×-R68	0.68	0.47	12	6.0
BPCFA1211×-1R0	1.0	0.68	14	5.8
BPCFA1211×-1R5	1.5	1.0	16	5.6
BPCFA1211×-2R2	2.2	1.5	17	4.6
BPCFA1211×-2R7	2.7	1.8	18	3.6
BPCFA1211×-3R3	3.3	2.2	24	3.5
BPCFA1211×-4R7	4.7	3.3	26	3.3
BPCFA1211×-5R6	5.6	3.9	55	2.6
BPCFA1211×-6R8	6.8	4.7	70	2.3
BPCFA1211×-8R2	8.2	5.6	90	2.0
BPCFA1211×-100	10	6.8	110	1.5
BPCFA1211×-120	12	8.2	135	1.3
BPCFA1211×-150	15	10.0	150	1.0

BPCFB1211 TYPE

Part Number 型号	Ref. Inductance @1kHz, 0.3V	Min. Inductance @1kHz, 0.3V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units 单位	μH	μH	m Ω	A
Symbol 符号	L	L	DCR	I _r
BPCFB1211×-220	22	15	12	6.0
BPCFB1211×-390	39	22	14	5.8
BPCFB1211×-470	47	33	15	5.5
BPCFB1211×-680	68	39	16	5.0
BPCFB1211×-101	100	68	21	4.5
BPCFB1211×-121	120	82	22	4.0
BPCFB1211×-151	150	100	25	3.5
BPCFB1211×-181	180	120	31	3.0
BPCFB1211×-221	220	150	60	2.6
BPCFB1211×-271	270	180	70	2.3
BPCFB1211×-331	330	220	80	2.0
BPCFB1211×-391	390	270	100	1.7
BPCFB1211×-471	470	330	115	1.2
BPCFB1211×-561	560	390	150	1.2
BPCFB1211×-681	680	470	190	0.9

BPCFC1211 TYPE

Part Number	Ref. Inductance @1kHz, 0.3V	Min. Inductance @1kHz, 0.3V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	μH	μH	m Ω	A
Symbol	L	L	DCR	I _r
BPCFC1211×-101	100	68	12	6.0
BPCFC1211×-151	150	100	14	5.8
BPCFC1211×-181	180	120	15	5.5
BPCFC1211×-271	270	180	16	5.0
BPCFC1211×-331	330	220	21	4.5
BPCFC1211×-391	390	270	22	4.0
BPCFC1211×-471	470	330	25	3.5

SPECIFICATIONS

BPCFC1211 TYPE

Part Number	Ref. Inductance @1kHz, 0.3V	Min. Inductance @1kHz, 0.3V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	μH	μH	m Ω	A
Symbol	L	L	DCR	I _r
BPCFC1211×-681	680	390	31	3.0
BPCFC1211×-821	820	470	50	2.7
BPCFC1211×-102	1000	560	70	2.4
BPCFC1211×-122	1200	680	80	2.1
BPCFC1211×-152	1500	820	100	1.8
BPCFC1211×-182	1800	1000	115	1.5
BPCFC1211×-222	2200	1200	150	1.1
BPCFC1211×-272	2700	1500	190	0.9

BPCFE1211 TYPE

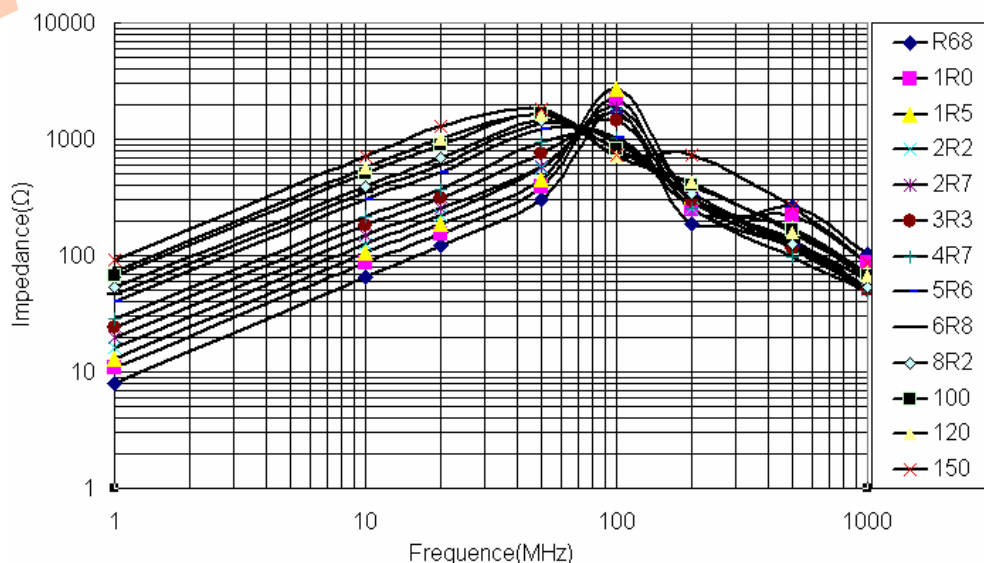
Part Number	Ref. Inductance @1kHz, 0.3V	Min. Inductance @1kHz, 0.3V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	μH	μH	m Ω	A
Symbol	L	L	DCR	I _r
BPCFE1211×-251	250	150	7	6.0
BPCFE1211×-471	470	270	9	5.8
BPCFE1211×-681	680	390	12	5.6
BPCFE1211×-122	1200	820	15	5.0
BPCFE1211×-152	1500	1000	18	3.6
BPCFE1211×-182	1800	1200	22	3.5
BPCFE1211×-222	2200	1500	28	3.3
BPCFE1211×-272	2700	1800	32	3.1
BPCFE1211×-332	3300	2200	65	2.4
BPCFE1211×-392	3900	2700	75	2.0
BPCFE1211×-472	4700	3300	95	1.8
BPCFE1211×-562	5600	3900	120	1.5
BPCFE1211×-682	6800	4700	135	1.2

×: Please specify the winding code: S means Sectional, B means Bifilar.

TYPICAL ELECTRICAL CHARACTERISTICS

Common Mode Impedance vs. Frequency

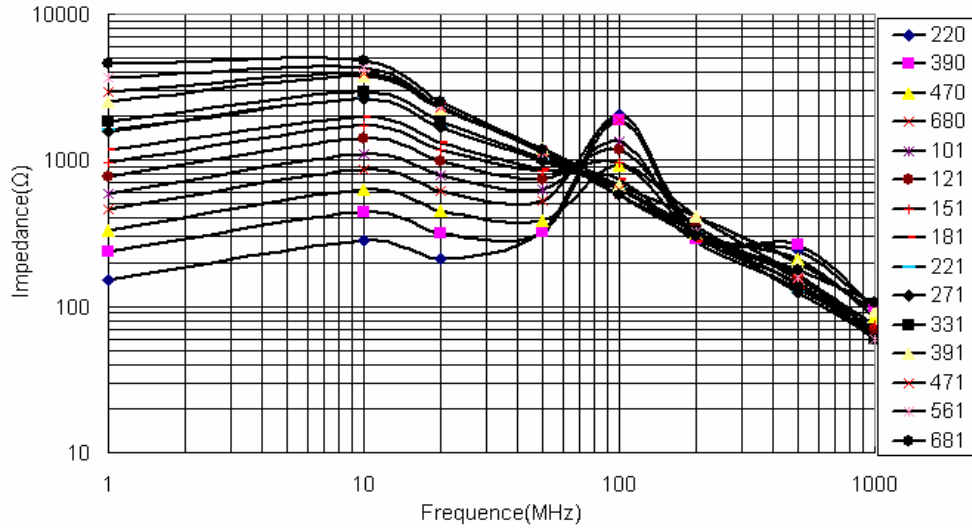
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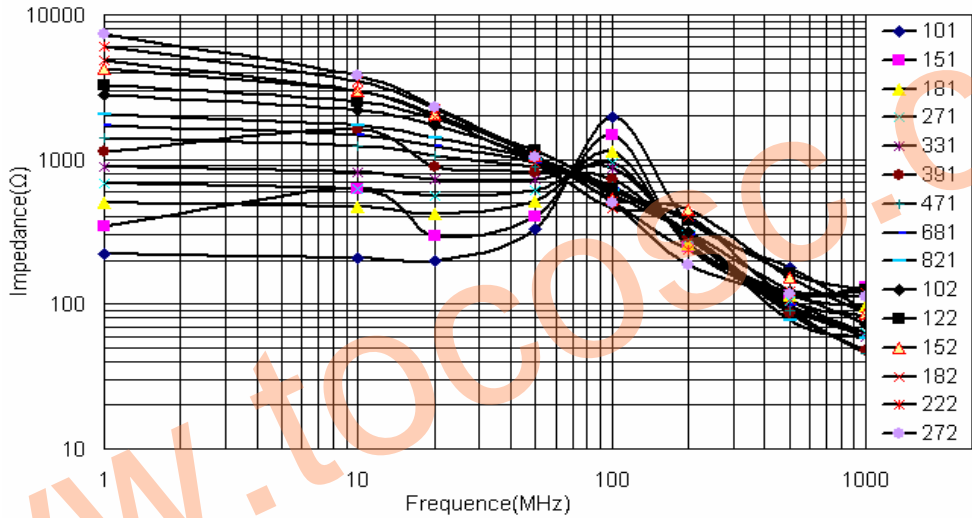
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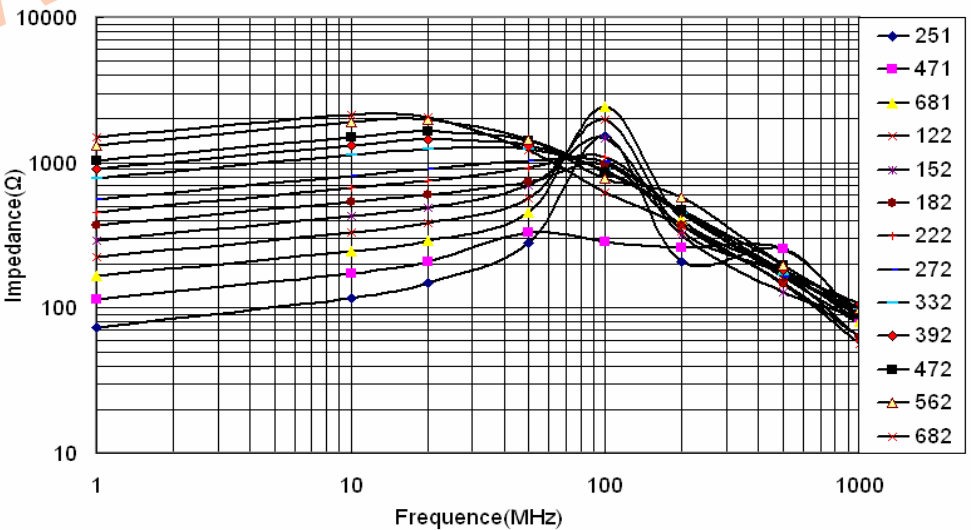
BPCFB1211 TYPE



BPCFC1211 TYPE

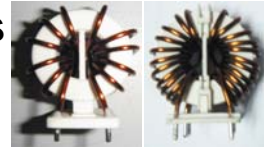


BPCFE1211 TYPE



Base Pin Common Filter – BPCF-3222/4228 Series

Operating Temp. : -55°C~+125°C



FEATURES

- High current
- Small dimension

APPLICATIONS

- Common mode noise suppression of power lines of consumer electronics
- Common mode noise suppression of SCR and TRIAC
- Decrease peak voltage in switching

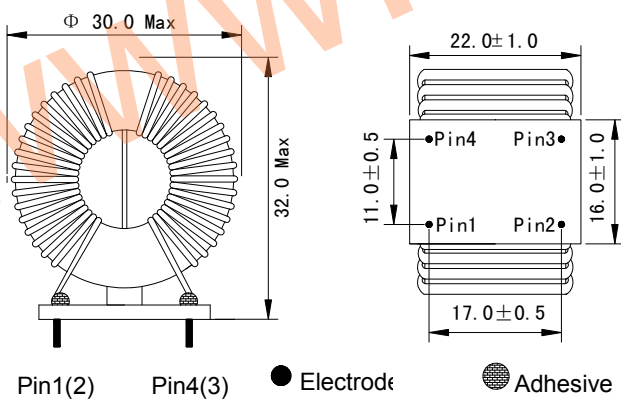
PRODUCT IDENTIFICATION

① BPCF	② E	③ 4228	④ S	-	⑤ 001								
<table border="1"> <tr><td colspan="2" style="text-align: center;">Type</td></tr> <tr> <td style="text-align: center;">BPCF</td> <td style="text-align: center;">Base Pin Common Filter</td> </tr> </table>		Type		BPCF	Base Pin Common Filter	<table border="1"> <tr><td colspan="2" style="text-align: center;">Product Series</td></tr> <tr> <td style="text-align: center;">E</td> <td style="text-align: center;">Nano-Alloys Core</td> </tr> </table>				Product Series		E	Nano-Alloys Core
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E	Nano-Alloys Core												
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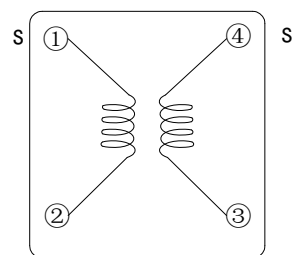
SHAPE AND DIMENSIONS

BPCFE3222 TYPE

Unit: mm



Coil Structure



S: Winding Start

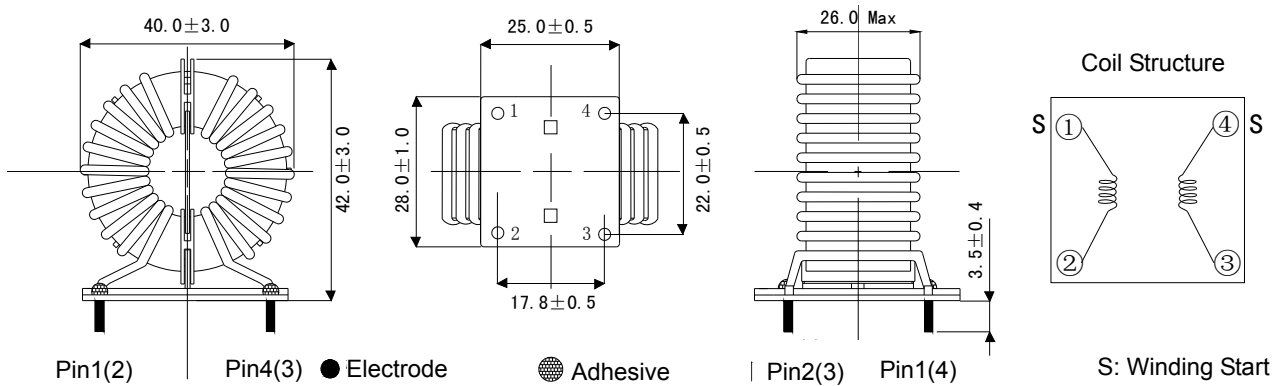
S:

Dimensions of Terminals Does Not Include Tin Needle

SHAPE AND DIMENSIONS

BPCFE4228 TYPE

Unit: mm



Dimensions of Terminals Does Not Include Tin Needle

SPECIFICATIONS

BPCFE3222 TYPE

Part Number	Ref. Inductance @1kHz, 0.25V	Min. Inductance @1kHz, 0.25V	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	mH	mH	m Ω	A
Symbol	L	L	DCR	I _r
BPCFE3222S-001	35	18	50	4.0
BPCFE3222S-002	1.0	0.4	4.5	19.0
BPCFE3222S-003	2.2	0.7	5.5	16.0
BPCFE3222S-004	2.7	1.0	6.5	15.0
BPCFE3222S-005	3.9	1.3	7.5	14.0
BPCFE3222S-006	4.7	1.8	8.5	13.5
BPCFE3222S-007	5.6	2.7	9.5	9.5
BPCFE3222S-008	6.8	3.3	10	9.0
BPCFE3222S-009	8.2	4.7	11	8.5
BPCFE3222S-010	10	5.6	15	8.0
BPCFE3222S-011	12	6.8	16	7.5
BPCFE3222S-012	15	8.2	17	7.0
BPCFE3222S-013	18	10	25	6.5
BPCFE3222S-014	22	12	30	6.0
BPCFE3222S-015	27	15	35	5.5
BPCFE3222S-016	33	18	50	5.0
BPCFE3222S-017	39	22	55	4.5
BPCFE3222S-018	47	27	60	4.0
BPCFE3222S-019	56	33	120	3.5
BPCFE3222S-020	82	39	140	3.0
BPCFE3222S-021	100	47	150	2.5
BPCFE3222S-022	120	56	160	2.0
BPCFE3222S-023	150	75	180	1.0
BPCFE3222S-024	0.39	0.2	4	20.0

BPCFE4228 TYPE

Part Number	Min. Inductance @1kHz, 0.3V	Tolerance	Max. DC Resistance	Max. Rated Current $\Delta T \leq 40^\circ\text{C}$ (at 20°C)
Units	mH	mH	m Ω	A
Symbol	L	-	DCR	I _r
BPCFE4228S-001	8.5	± 0.5	15	20
BPCFE4228S-002	8.5	± 0.5	20	12
BPCFE4228S-003	16.0	± 1.0	30	12
BPCFE4228S-004	28.0	± 1.5	50	12

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Specifications subject to change without notice. Please check our website for latest information. Revised 2013/05/15

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