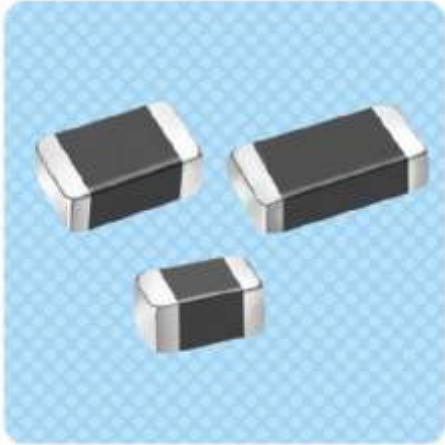


PI Series High Power Ferrite Inductors



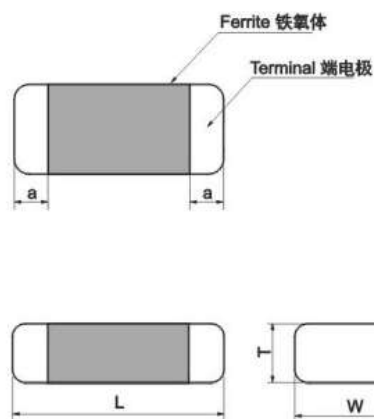
FEATURES

- Monolithic Structure for high reliability.
- Small size inductor.
- No cross coupling due to magnetic shield.
- Low DC resistance
- Offset current greatly increased.

APPLICATIONS

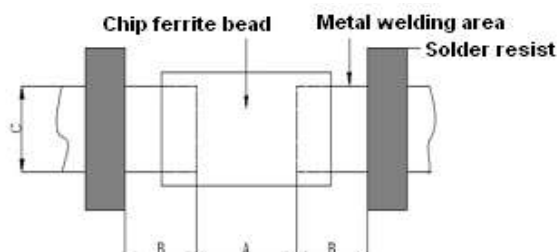
- Widely used in choke circuit of the DC power line of intelligent broadband, automotive electronics, communications equipment, consumer electronics, office automation and other electronic equipment.

SHAPE AND DIMENSIONS



Part Number	Dimensions (mm)			
	L	W	T	a
PI1608	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
PI2012	2.0±0.2	1.2±0.2	0.8±0.2	0.4±0.2
PI3216	3.2±0.2	1.6±0.2	0.8±0.2	0.5±0.3

RECOMMENDED PC BOARD PATTERN



Part Number	Dimensions (mm)		
	A	B	C
PI1608	0.6	1.0	0.8
PI2012	1.0	1.0	1.0
PI3216	2.2	1.1	1.4

PRODUCT IDENTIFICATION

PI 2012 F 1R0 M T (f)

① ② ③ ④ ⑤ ⑥ ⑦

- ① Series name
- ② Dimensions L×W
1608: 1.6mm of length, 0.8mm of width.
- ③ Performance code
- ④ Inductance: R10-0.1uH 1R0-1.0uH
- ⑤ Tolerance: K: ±10% M: ±20% N: ±30%
- ⑥ Package: B:by bulk T: Tape and Reel
- ⑦ Pb Free

SPECIFICATIONS

● PI1005 TYPE

Part Number	Inductance (uH)	Tolerance	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
PI1608FR22	0.22	M	1/0.05	150	0.06±30%	380
PI1608FR33	0.33			120	0.08±30%	350
PI1608FR47	0.47			105	0.1±30%	300
PI1608FR68	0.82			85	0.16±30%	220
PI1608FR82	0.82			85	0.18±30%	220
PI1608F1R0	1.0			75	0.2±30%	200
PI1608F1R5	1.8			55	0.25±30%	180
PI1608F1R8	1.8			55	0.3±30%	180
PI1608F2R2	2.2			50	0.35±30%	150

● PI2012 TYPE

Part Number	Inductance (uH)	Tolerance Q _{min}	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
PI2012FR47	0.47	M	1/0.05	125	0.18±30%	550
PI2012F1R0	1.0			75	0.15±30%	350
PI2012F1R5	1.5			60	0.18±30%	300
PI2012F2R2	2.2			50	0.27±30%	250
PI2012F3R3	3.3			35	0.30±30%	220
PI2012F4R7	4.7			25	0.35±30%	200

● PI3216 TYPE

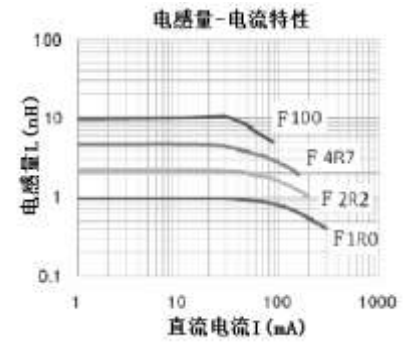
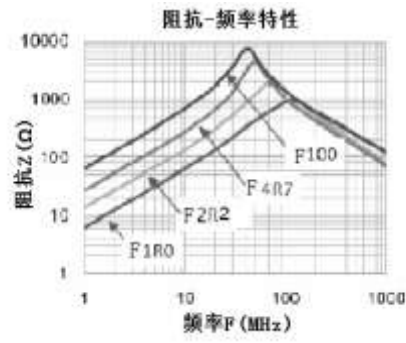
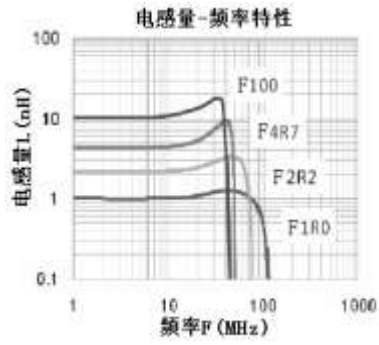
Part Number	Inductance (uH)	Tolerance	L、Q Test condition (MHz/V)	SRF _{min} (MHz)	DCR Max(Ω)	Rated Current Max (mA)
PI3216F4R7	4.7	M	1/0.05	41	0.30±30%	1000



Specifications subject to change without notice. Please check our website for latest information.

Tel: 0086-769-85016657 Fax: 0086-769-85016658 E-Mail: sales@ZXcompo.com www.zxcompo.com

PI1608



PI2012

