

SMD Inductors For Power Line (Wound, Magnetic Epoxy Shielded)

PPC Series PPC50□□FT Type

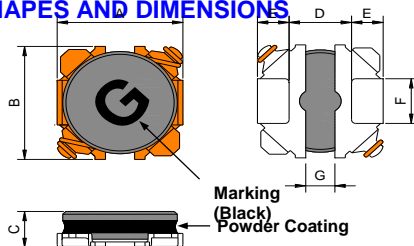
FEATURES

- Miniature size : Mount area 5.2× 5.1mm ; Low profile 1.0~2.0mm max. height
- Generic use for portable DC to DC converter line.
- Available for automatic mounting in tape and reel package.
- The products contain no lead and also support lead-free soldering.
- It is a product conforming to RoHS directive.
- High Reliability for Resistance to Soldering heat.

APPLICATIONS

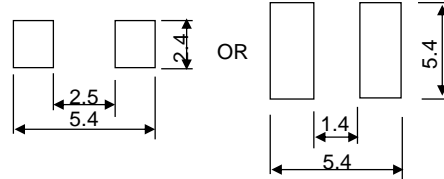
Power source inductor for mobile phones, HDDs, LCD Panel, and DSCs

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN

(Dimensions in mm)



unit: mm

Type	A(±0.2)	B(±0.2)	C(Max.)	D(±0.2)	E(±0.15)	F(±0.2)	G(±0.15)	Reel	Qty
PPC5010FT	5.0	4.9	1.0	2.7	1.16	2.0	1.5	13"	3,000
PPC5012FT	5.0	4.9	1.2	2.7	1.16	2.0	1.5	13"	3,000
PPC5015FT	5.0	4.9	1.5	2.7	1.16	2.0	1.5	13"	3,000
PPC5020FT	5.0	4.9	2.0	2.7	1.16	2.0	1.5	13"	3,000

ELECTRICAL CHARACTERISTICS

PT/NO. (PPC50□□FT)	L(μH)	Resistance RDC(Ω)±20%				Rated DC Current								Marking
						IDC1(A)				IDC2(A)				
		5010	5012	5015	5020	5010	5012	5015	5020	5010	5012	5015	5020	
R47NZF	0.47				42m				7.50				2.60	6
R68NZF	0.68		39m				2.70				2.20			8
1R0NZF	1.0	59m	39m	52m	48m	1.80	2.50	3.50	5.60	1.90	2.20	2.05	2.10	A
1R2NZF	1.2				58m				4.70				1.95	B
1R5NZF	1.5	75m	49m	61m	66m	1.50	2.10	3.00	4.20	1.70	2.05	1.90	1.80	C
2R2NZF	2.2	90m	72m	71m	77m	1.20	1.90	2.50	3.40	1.60	1.80	1.75	1.70	E
3R3NZF	3.3	0.12	83m	92m	89m	1.05	1.60	2.10	2.80	1.45	1.65	1.65	1.65	G
3R9NZF	3.9				97m				2.60				1.60	H
4R7MZF	4.7	0.14	0.13	0.10	0.11	0.80	1.40	1.90	2.40	1.35	1.40	1.55	1.50	I
5R6MZF	5.6		0.14		0.13		1.20		2.30		1.35		1.40	J
6R8MZF	6.8	0.18	0.16	0.14	0.14	0.70	1.10	1.60	2.20	1.20	1.25	1.35	1.35	K
100MZF	10	0.22	0.25	0.21	0.17	0.65	0.90	1.30	2.00	1.10	1.05	1.10	1.20	M
150MZF	15	0.31	0.28	0.28	0.23	0.53	0.70	1.00	1.50	0.93	0.95	0.97	1.05	O
220MZF	22	0.45	0.46	0.40	0.35	0.47	0.50	0.80	1.20	0.75	0.71	0.79	0.85	Q
330MZF	33	0.68	0.60	0.61	0.48	0.35	0.40	0.65	1.00	0.57	0.60	0.60	0.70	S
470MZF	47	1.10		0.85	0.67	0.30		0.55	0.90	0.45		0.51	0.55	U
101MZF	100				1.44				0.55				0.40	Y
221MZF	220			4.25				0.31				0.25		d

Remark :

- Tolerance of inductance: M(±20%), N(±30%)
- IDC1 : Based on inductance change ($\Delta L/L_o : \leq -30\%$) @ ambient temp. 25°C
IDC2 : Based on temperature rise ($\Delta T : 40^\circ\text{C TYP.}$)
Rated DC Current : The less value which is IDC1 or IDC2.

• All specifications are subject to change without notice.

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