

LPF3510 Series

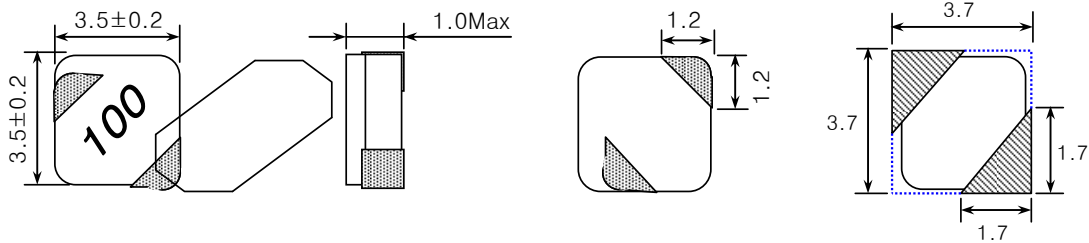


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SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq. F (KHz)	DC Resistance(Ω) Rdc (Max.)	Rated DC current(A)		Marking
	L (uH)	Tol. (%)			Idc1 (Max.)	Idc2 (Typ.)	
LPF3510T-2R2M	2.2			0.13	1.20	1.30	2R2
LPF3510T-4R7M	4.7			0.25	0.83	1.10	4R7
LPF3510T-6R8M	6.8			0.35	0.70	0.80	6R8
LPF3510T-100M	10			0.50	0.58	0.69	100
LPF3510T-150M	15	±20	100	0.80	0.42	0.54	150
LPF3510T-220M	22			1.30	0.40	0.42	220
LPF3510T-330M	33			1.70	0.29	0.36	330
LPF3510T-470M	47			2.80	0.23	0.28	470
LPF3510T-680M	68			4.10	0.19	0.23	680

▼ Test Equipments

- . L : Agilent E4980A Precision LCR Meter
- . Rdc : HIOKI 3540 mΩ HiTESTER
- . Idc1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- . Idc2 : Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply

Packing style

T : Taping B : Bulk

▼ Test Condition

- . L(Frequency , Voltage) : F=100 (KHz) , V=0.5 (V)
- . Idc1(The saturation current) : $\Delta L \leq 30\%$ reduction from nominal L value
- . Idc2(The temperature rise): $\Delta T = 30^\circ\text{C}$ typical at rated DC current
- * Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-30 ~ +85°C (Including self-generated heat)