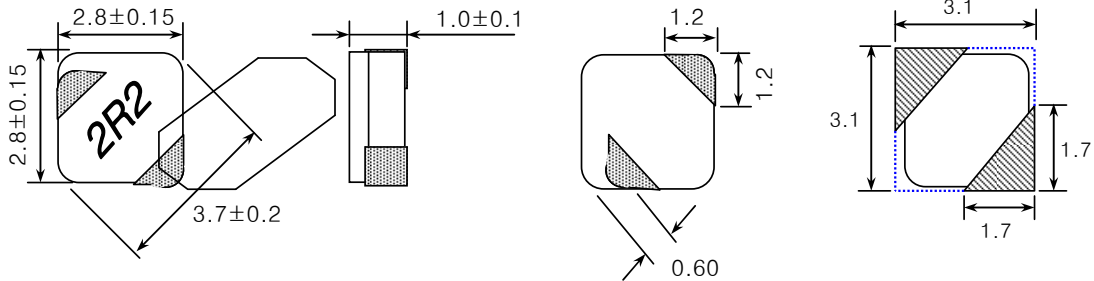


SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

() is typical value.

Ordering Code	Inductance		Freq. F (KHz)	DC Resistance(Ω) Rdc (Max.)	Rated DC current(A)		Marking
	L (uH)	Tol. (%)			Idc1 (Max.)	Idc2 (Typ.)	
LPF3010T-1R2N	1.2	±30	100	0.090(0.063)	1.40	2.00	1R0
LPF3010T-1R5N	1.5			0.097(0.082)	1.20	1.90	1R5
LPF3010T-2R2M	2.2	±20		0.110(0.098)	1.00	1.20	2R2
LPF3010T-3R3M	3.3			0.200(0.180)	0.87	1.10	3R3
LPF3010T-4R7M	4.7			0.280(0.260)	0.70	1.00	4R7
LPF3010T-6R8M	6.8			0.340(0.320)	0.61	0.83	6R8
LPF3010T-100M	10			0.580(0.530)	0.45	0.56	100
LPF3010T-150M	15	0.860(0.790)		0.40	0.46	150	
LPF3010T-220M	22	1.130(1.030)		0.33	0.41	220	
LPF3010T-330M	33	2.065(1.718)		0.23	0.28	330	
LPF3010T-470M	47	2.570(2.152)	0.21	0.26	470		

▼ 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) : $\Delta L \leq 35\%$ reduction from nominal L value
- . Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ 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)