

# LPF2010 Series

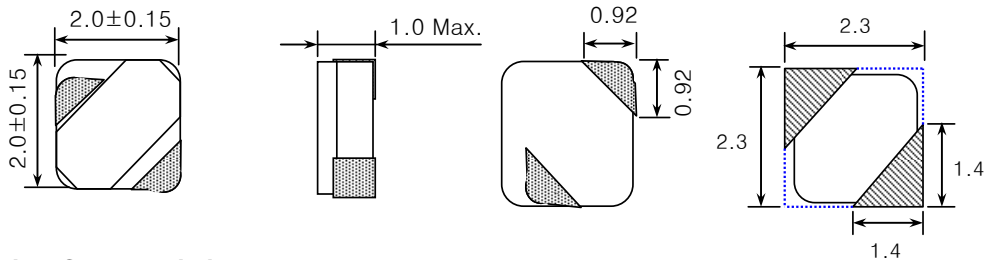


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## SMD Shielded type

### ▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



### ▼ Electrical Characteristics

( ) is typical value.

Ordering Code	Inductance		Frequency	DC Resistance(Ω)	Rated DC current(A)	
	L (uH)	Tol. (%)	F (KHz)	Rdc (Max.)	Idc1 (Max.)	Idc2 (Typ.)
LPF2010T-1R0N	1.0	±30	100	0.15(0.10)	0.75	1.78
LPF2010T-1R5M	1.5	±20		0.22(0.18)	0.62	1.22
LPF2010T-2R2M	2.2			0.25(0.20)	0.52	1.16
LPF2010T-3R3M	3.3			0.40(0.35)	0.40	0.81
LPF2010T-4R7M	4.7			0.45(0.40)	0.35	0.78
LPF2010T-6R8M	6.8			0.70(0.67)	0.30	0.52
LPF2010T-100M	10			0.88(0.83)	0.22	0.49

### ▼ 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):  $\Delta T = 40^\circ\text{C}$  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)