

LPF1245 Series

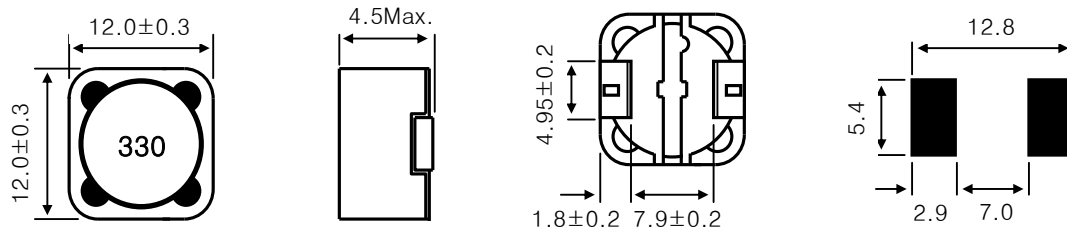


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SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq.	DC Resistance(Ω)	Rated DC current(A)	
	L (uH)	Tol. (%)	F (KHz)	Rdc (Max.)	Idc1 (Max.)	Idc2 (Typ.)
LPF1245T-1R5M	1.5	±20	100	0.013	11.5	8.50
LPF1245T-2R2M	2.2			0.016	9.5	8.07
LPF1245T-3R0M	3.0			0.018	8.0	6.95
LPF1245T-4R7M	4.7			0.025	6.4	5.70
LPF1245T-6R0M	6.0			0.029	6.2	5.13
LPF1245T-7R2M	7.2			0.034	5.1	4.60
LPF1245T-100M	10			0.040	4.0	4.56
LPF1245T-150M	15			0.056	3.4	3.69
LPF1245T-220M	22			0.075	2.9	2.56
LPF1245T-330M	33			0.093	2.4	2.46
LPF1245T-470M	47			0.138	1.9	1.89
LPF1245T-680M	68			0.177	1.5	1.84
LPF1245T-101M	100			0.245	1.2	1.56

▼ 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) : $\Delta L \leq 20\%$ reduction from initial 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

-20 ~ +85°C (Including self-generated heat)