

LPF1280 Series

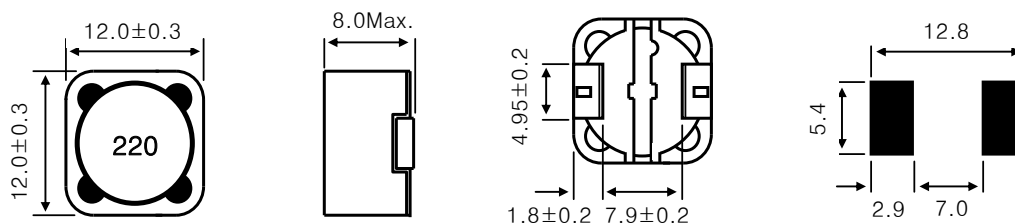


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SMD Shielded type

▼ 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.)
LPF1280T-1R0M	1.0	±20	100	0.007	12.00	13.03
LPF1280T-2R4M	2.4			0.013	10.00	10.38
LPF1280T-3R5M	3.5			0.014	9.30	9.69
LPF1280T-4R7M	4.7			0.015	9.10	8.69
LPF1280T-5R8M	5.8			0.019	8.60	7.56
LPF1280T-8R2M	8.2			0.020	8.00	7.02
LPF1280T-100M	10			0.022	6.70	6.87
LPF1280T-150M	15			0.026	5.65	6.50
LPF1280T-220M	22			0.036	4.70	5.79
LPF1280T-330M	33			0.054	3.90	5.31
LPF1280T-470M	47			0.087	3.25	3.50
LPF1280T-530M	53			0.090	2.90	3.30
LPF1280T-680M	68			0.110	2.60	3.20
LPF1280T-101M	100			0.140	2.10	2.62
LPF1280T-151M	150			0.200	1.80	2.30
LPF1280T-221M	220			0.320	1.45	1.97
LPF1280T-271M	270			0.400	1.35	1.70
LPF1280T-331M	330			0.450	1.20	1.65
LPF1280T-471M	470			0.690	1.00	1.40
LPF1280T-681M	680			0.900	0.90	1.31
LPF1280T-102M	1000	1.450	0.70	0.77		
LPF1280T-152M	1500	1.950	0.65	0.65		
LPF1280T-222M	2200	2.690	0.55	0.57		

▼ 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)