

# LPF1280 SERIES

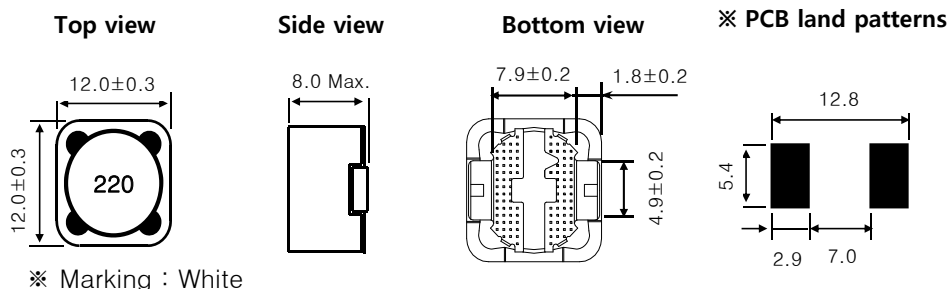


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## LPF1280 SERIES

### ■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



### ■ ELECTRICAL CHARACTERISTICS

( ) is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc Max. (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF1280T - 1R0M	1.0	± 20	100	0.007	12.00	13.03
LPF1280T - 2R4M	2.4	± 20		0.013	10.00	10.38
LPF1280T - 3R5M	3.5	± 20		0.014	9.30	9.69
LPF1280T - 4R7M	4.7	± 20		0.015	9.10	8.69
LPF1280T - 5R8M	5.8	± 20		0.019	8.60	7.56
LPF1280T - 6R8M	6.8	± 20		0.022	8.30	7.30
LPF1280T - 8R2M	8.2	± 20		0.020	8.00	7.02
LPF1280T - 100M	10.0	± 20		0.022	6.70	6.87
LPF1280T - 150M	15.0	± 20		0.026	5.65	6.50
LPF1280T - 220M	22.0	± 20		0.036	4.70	5.79
LPF1280T - 330M	33.0	± 20		0.054	3.90	5.31
LPF1280T - 470M	47.0	± 20		0.087	3.25	3.50
LPF1280T - 530M	53.0	± 20		0.090	3.10	3.30
LPF1280T - 680M	68.0	± 20		0.110	3.00	3.20
LPF1280T - 101M	100.0	± 20		0.140	2.10	2.62
LPF1280T - 151M	150.0	± 20		0.200	1.80	2.30
LPF1280T - 221M	220.0	± 20		0.320	1.45	1.97
LPF1280T - 251M	250.0	± 20		0.375	1.40	1.59
LPF1280T - 271M	270.0	± 20		0.400	1.35	1.74
LPF1280T - 331M	330.0	± 20		0.450	1.20	1.65
LPF1280T - 471M	470.0	± 20	0.690	1.00	1.40	
LPF1280T - 561M	560.0	± 20	0.810	0.92	0.92	
LPF1280T - 681M	680.0	± 20	0.900	0.90	0.82	
LPF1280T - 821M	820.0	± 20	1.170	0.72	0.80	
LPF1280T - 102M	1000.0	± 20	1.450	0.70	0.77	
LPF1280T - 152M	1500.0	± 20	1.950	0.65	0.65	
LPF1280T - 222M	2200.0	± 20	2.690	0.55	0.57	
LPF1280T - 332M	3300.0	± 20	4.560	0.35	0.40	
LPF1280T - 103M	10000.0	± 20		16.000	0.22	0.22

#### ▼ Test Equipments

- Inductance measured : Agilent E4980A Precision LCR Meter or equivalent(100kHz, 0.5V)
- Rdc : HIOKI 3540 mΩ HiTESTER or equivalent
- Idc1(The saturation current) :  $\Delta L \leq 20\%$  reduction from initial L value  
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise):  $\Delta T = 40^\circ\text{C}$  typical at rated DC current  
Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

#### ▼ Operating Temperature Range

-40 ~ +125°C (Including self-generated heat)