

# LPF1040 SERIES

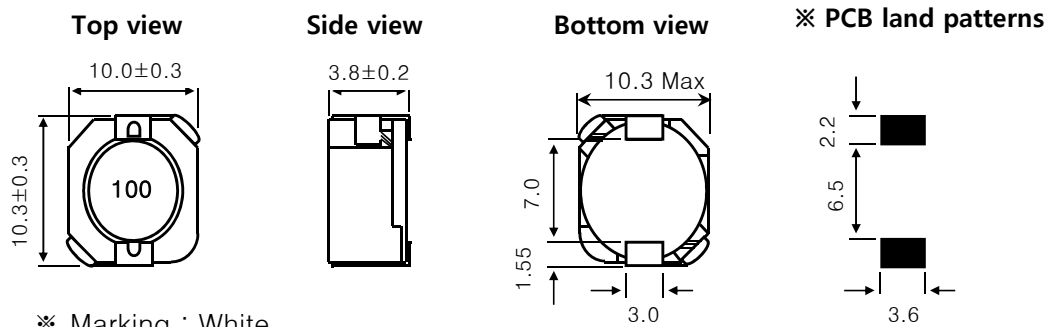


http://www.abco.co.kr

## LPF1040 SERIES

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

Unit:mm



※ Marking : White

### ■ ELECTRICAL CHARACTERISTICS

( ) is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc Max. (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF1040T - 1R8N	1.8	± 30	100	0.016	8.00	6.50
LPF1040T - 3R7N	3.7	± 30		0.018	7.00	5.50
LPF1040T - 4R7N	4.7	± 30		0.020	5.80	5.20
LPF1040T - 6R8N	6.8	± 30		0.025	5.50	5.00
LPF1040T - 8R2M	8.2	± 20		0.027	4.80	4.80
LPF1040T - 100M	10.0	± 20		0.035	4.40	3.80
LPF1040T - 150M	15.0	± 20		0.050	3.60	3.10
LPF1040T - 220M	22.0	± 20		0.073	2.90	2.50
LPF1040T - 330M	33.0	± 20		0.093	2.40	2.20
LPF1040T - 470M	47.0	± 20		0.150	1.80	1.60
LPF1040T - 680M	68.0	± 20		0.213	1.50	1.42
LPF1040T - 101M	100.0	± 20		0.304	1.35	1.25
LPF1040T - 151M	150.0	± 20		0.484	1.00	0.83
LPF1040T - 221M	220.0	± 20		0.756	0.92	0.70
LPF1040T - 331M	330.0	± 20		1.250	0.65	0.50

#### ▼ 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) :  $\Delta L \leq 30\%$  reduction from initial L value  
Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
  - Idc2(The temperature rise):  $\Delta T = 30^\circ\text{C}$  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 ~ +105°C (Including self-generated heat)

#### ▼ LQ vs F Characteristic