

LPF5030 SERIES

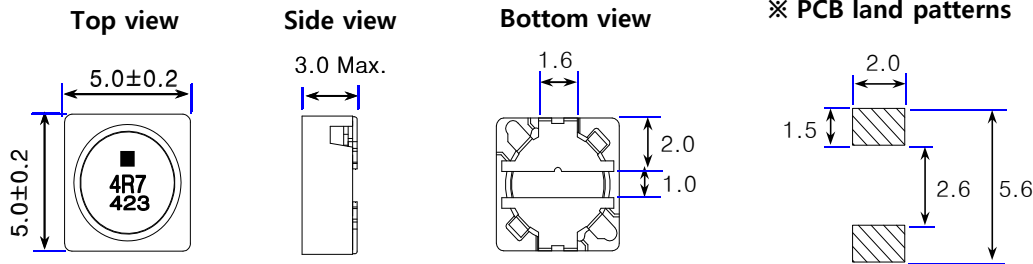


http://www.abco.co.kr

LPF5030 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



※ Marking : Laser

■ ELECTRICAL CHARACTERISTICS

() is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc ±20% (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF5030T - 3R3M	3.3	± 20	100	0.038	2.80	2.70
LPF5030T - 4R7M	4.7	± 20		0.060	2.50	2.10
LPF5030T - 6R8M	6.8	± 20		0.073	2.00	1.80
LPF5030T - 8R2M	8.2	± 20		0.084	1.90	1.75
LPF5030T - 100M	10.0	± 20		0.102	1.70	1.70
LPF5030T - 150M	15.0	± 20		0.135	1.30	1.30
LPF5030T - 220M	22.0	± 20		0.188	1.10	1.20

▼ 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): $\Delta T = 40^\circ\text{C}$ 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 ~ +105°C (Including self-generated heat)

▼ LQ vs F Characteristic