

LPH4012 SERIES

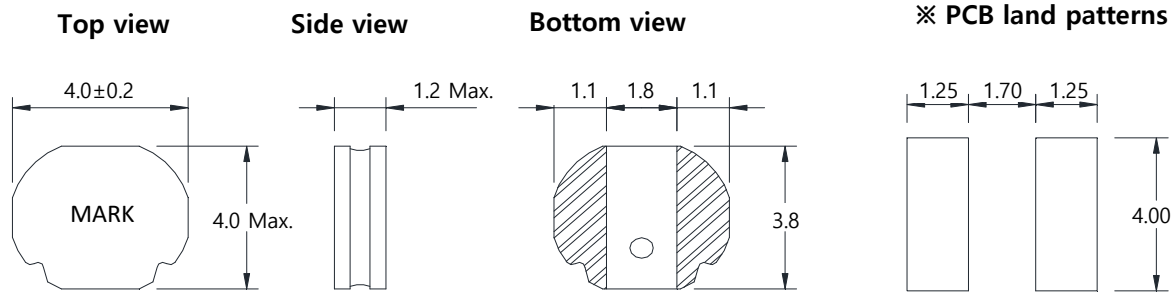


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LPH4012 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

Unit:mm



■ ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Tolerance (%)	Freq. (kHz)	Rdc ±20% (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPH4012T - 1R0N	1.0	± 30	100	0.050	2.70	2.65
LPH4012T - 1R5N	1.5	± 30		0.060	2.20	2.45
LPH4012T - 2R2M	2.2	± 20		0.085	2.00	2.40
LPH4012T - 3R3M	3.3	± 20		0.120	1.60	1.75
LPH4012T - 4R7M	4.7	± 20		0.150	1.30	1.50
LPH4012T - 6R8M	6.8	± 20		0.230	1.10	1.35
LPH4012T - 100M	10.0	± 20		0.345	1.00	1.00
LPH4012T - 150M	15.0	± 20		0.435	0.85	0.95
LPH4012T - 220M	22.0	± 20		0.790	0.70	0.70
LPH4012T - 330M	33.0	± 20		0.980	0.65	0.60

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