

LPH3010 SERIES

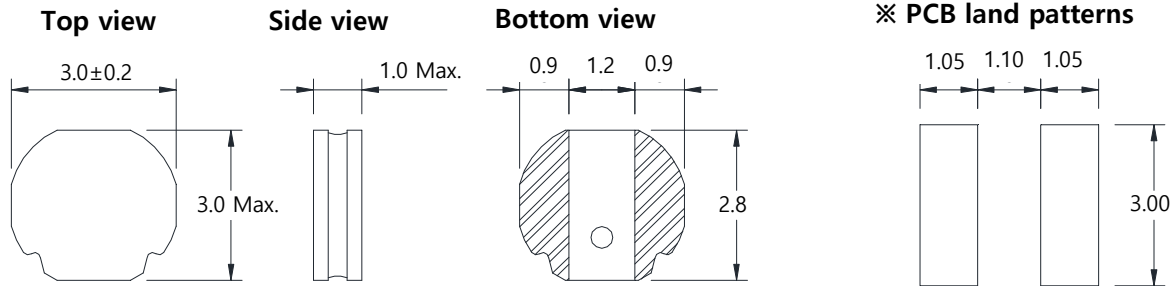


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LPH3010/3010-R SERIES

■ 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)
LPH3010T - 1R0N	1.0	± 30	100	0.057	2.20	2.30
LPH3010T - 1R2N	1.2	± 30		0.067	2.00	2.10
LPH3010T - 1R5N	1.5	± 30		0.078	1.70	2.00
LPH3010T - 2R2M	2.2	± 20		0.130	1.55	1.70
LPH3010T - 3R3M	3.3	± 20		0.200	1.10	1.30
LPH3010T - 4R7M	4.7	± 20		0.250	0.80	1.00
LPH3010T - 6R8M	6.8	± 20		0.320	0.70	0.90
LPH3010T - 100M	10.0	± 20		0.450	0.60	0.80

▼ 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)