

# LPH3015 SERIES

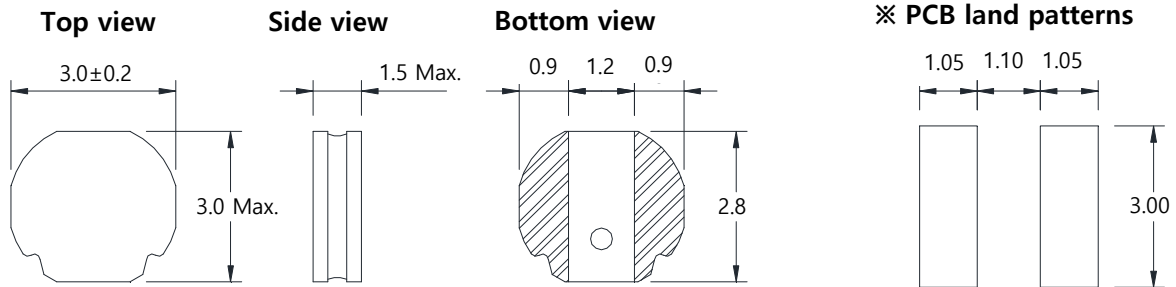


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## LPH3015 SERIES

### ■ 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)
LPH3015T - R33N	0.33	± 30	100	0.023	4.70	4.30
LPH3015T - R47N	0.47	± 30		0.027	4.10	4.00
LPH3015T - R68N	0.68	± 30		0.033	3.50	3.70
LPH3015T - 1R0N	1.0	± 30		0.040	3.00	3.00
LPH3015T - 1R5N	1.5	± 30		0.060	2.00	1.85
LPH3015T - 2R2M	2.2	± 20		0.070	1.80	1.80
LPH3015T - 3R3M	3.3	± 20		0.115	1.50	1.65
LPH3015T - 4R7M	4.7	± 20		0.125	1.40	1.40
LPH3015T - 6R8M	6.8	± 20		0.195	1.00	1.10
LPH3015T - 8R2M	8.2	± 20		0.250	0.90	1.00
LPH3015T - 100M	10.0	± 20		0.315	0.85	0.95
LPH3015T - 150M	15.0	± 20		0.465	0.80	0.84
LPH3015T - 220M	22.0	± 20		0.700	0.52	0.55

#### ▼ 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)