

LPH6050-R SERIES

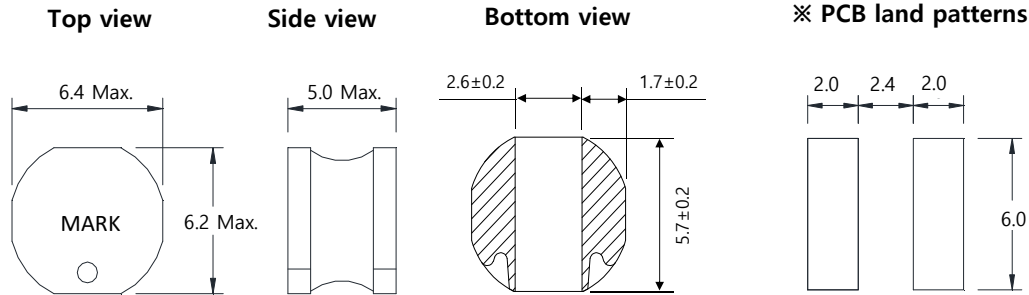


<http://www.abco.co.kr>

LPH6050-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)
LPH6050T - R47N-R	0.47	± 30	100	0.008	16.00	9.50
LPH6050T - 1R0N-R	1.0	± 30		0.012	12.00	7.50
LPH6050T - 1R4N-R	1.4	± 30		0.015	9.10	7.30
LPH6050T - 2R0N-R	2.0	± 30		0.016	8.90	6.75
LPH6050T - 2R2N-R	2.2	± 30		0.018	8.60	6.70
LPH6050T - 3R3N-R	3.3	± 30		0.022	6.80	5.90
LPH6050T - 3R6N-R	3.6	± 30		0.022	6.80	5.90
LPH6050T - 4R7N-R	4.7	± 30		0.025	6.10	4.80
LPH6050T - 5R6M-R	5.6	± 20		0.030	5.60	4.60
LPH6050T - 6R8M-R	6.8	± 20		0.036	4.80	4.40
LPH6050T - 8R2M-R	8.2	± 20		0.049	4.50	4.00
LPH6050T - 100M-R	10.0	± 20		0.050	4.20	3.40
LPH6050T - 150M-R	15.0	± 20		0.073	3.30	3.00
LPH6050T - 220M-R	22.0	± 20		0.100	2.80	2.60
LPH6050T - 330M-R	33.0	± 20		0.146	2.20	2.50
LPH6050T - 470M-R	47.0	± 20		0.212	1.90	1.60
LPH6050T - 680M-R	68.0	± 20		0.305	1.40	1.25
LPH6050T - 101M-R	100.0	± 20		0.450	1.30	1.15
LPH6050T - 151M-R	150.0	± 20		0.740	0.80	1.10
LPH6050T - 221M-R	220.0	± 20		0.995	0.78	0.90
LPH6050T - 271M-R	270.0	± 20		1.400	0.75	0.70
LPH6050T - 681M-R	680.0	± 20		3.745	0.50	0.45

▼ 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)