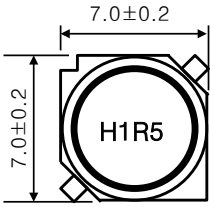
LPF7030 SERIES

■ SHAPE & DIMENSIONS / RECOMMENDED SOLDER LAND PATTERN

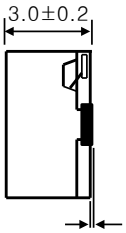
Unit:mm

Top view

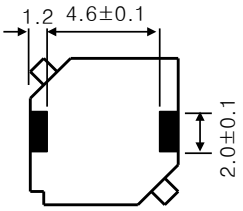


※ Marking : White

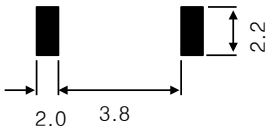
Side view



Bottom view



※ PCB land patterns



■ ELECTRICAL CHARACTERISTICS

( ) is typical value.

Ordering code	Inductance [μH]	Tolerance (%)	F (kHz)	Rdc Max. (Ω)	Idc1 Max. (A)	Idc2 Typ. (A)
LPF7030T - 1R0N	1.0	± 30	100	0.0084	8.3	5.3
LPF7030T - 1R5N	1.5	± 30		0.0120	6.5	4.9
LPF7030T - 2R2M	2.2	± 20		0.0230	5.7	4.4
LPF7030T - 3R3M	3.3	± 20		0.0280	4.4	4.0
LPF7030T - 4R7M	4.7	± 20		0.0310	3.5	3.3
LPF7030T - 6R8M	6.8	± 20		0.0450	3.0	2.8
LPF7030T - 100M	10.0	± 20		0.0600	2.5	2.3
LPF7030T - 150M	15.0	± 20		0.1250	1.7	1.7
LPF7030T - 220M	22.0	± 20		0.1400	1.2	1.4

▼ 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) : △L≤ 30% reduction from initial L value
  Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- Idc2(The temperature rise): △T= 35℃ 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℃ (Including self-generated heat)

▼ LQ vs F Characteristic