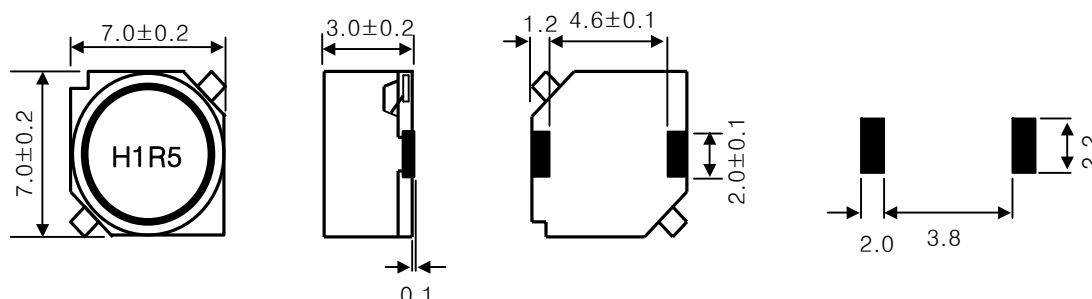


SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

| Ordering Code | Inductance | | Freq. | DC Resistance(Ω) | Rated DC current(A) | |
|---------------|------------|----------|---------|------------------|---------------------|-------------|
| | L (μH) | Tol. (%) | F (KHz) | Rdc (Max.) | Idc1 (Max.) | Idc2 (Typ.) |
| LPF7030T-1R0N | 1.0 | ±30 | 100 | 0.0084 | 8.3 | 5.3 |
| LPF7030T-1R5N | 1.5 | | | 0.0120 | 6.5 | 4.9 |
| LPF7030T-2R2M | 2.2 | ±20 | | 0.0230 | 5.7 | 4.4 |
| LPF7030T-3R3M | 3.3 | | | 0.0280 | 4.4 | 4.0 |
| LPF7030T-4R7M | 4.7 | | | 0.0310 | 3.5 | 3.3 |
| LPF7030T-6R8M | 6.8 | | | 0.0450 | 3.0 | 2.8 |
| LPF7030T-100M | 10 | | | 0.0600 | 2.5 | 2.3 |
| LPF7030T-150M | 15 | | | 0.1250 | 1.7 | 1.7 |
| LPF7030T-220M | 22 | 0.1400 | 1.2 | 1.4 | | |

▼ Test Equipments

- . L : Agilent E4980A Precision LCR Meter
- . Rdc : HIOKI 3540 mΩ HiTESTER
- . Idc1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source
- . Idc2 : Yokogawa DR130 Hybrid Recorder + Agilent 6692A DC Power Supply

Packing style

T : Taping B : Bulk

▼ Test Condition

- . L(Frequency , Voltage) : F=100 (KHz) , V=0.5 (V)
- . Idc1(The saturation current) : ΔL ≤ 30% reduction from initial L value
- . Idc2(The temperature rise): ΔT= 35℃ typical at rated DC current
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-40 ~ +105℃ (Including self-generated heat)