

LPF7030 Series

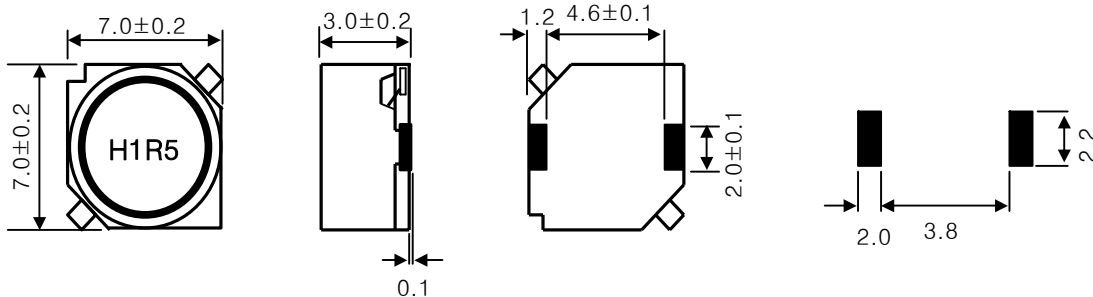


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SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq.	DC Resistance(Ω)	Rated DC current(A)	
	L (uH)	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) : $\Delta L \leq 30\%$ reduction from initial L value
- . Idc2(The temperature rise): $\Delta T = 35^\circ\text{C}$ typical at rated DC current
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-40 ~ +105°C (Including self-generated heat)