

LPF7032 Series

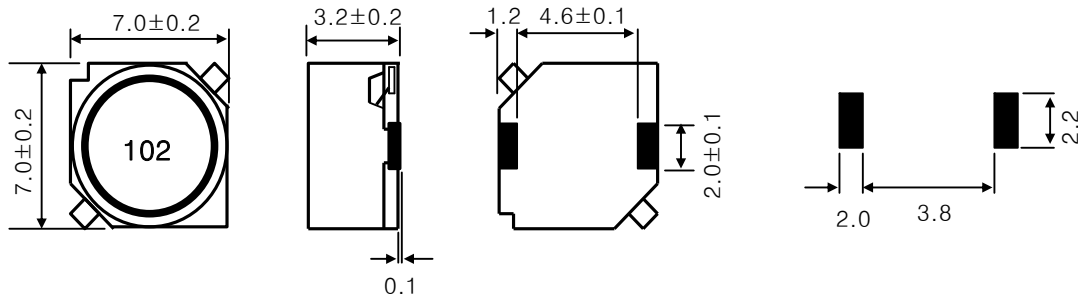


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SMD Shielded type

▼ 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 (±20%)	Idc1 (Max.)	Idc2 (Typ.)
LPF7032T-3R3M	3.3	±20	100	0.016	2.10	2.90
LPF7032T-4R7M	4.7			0.021	1.80	2.70
LPF7032T-6R8M	6.8			0.028	1.60	2.40
LPF7032T-100M	10			0.045	1.40	2.10
LPF7032T-150M	15			0.066	1.10	1.62
LPF7032T-220M	22			0.100	0.96	1.45
LPF7032T-330M	33			0.137	0.78	1.17
LPF7032T-470M	47			0.194	0.67	0.96
LPF7032T-680M	68			0.255	0.59	0.88
LPF7032T-101M	100			0.380	0.45	0.71
LPF7032T-151M	150			0.601	0.37	0.58
LPF7032T-221M	220			0.906	0.29	0.48
LPF7032T-331M	330			1.214	0.22	0.40
LPF7032T-471M	470			1.762	0.20	0.34
LPF7032T-681M	680			2.825	0.16	0.24
LPF7032T-102M	1000			4.292	0.13	0.19

▼ 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) : $\Delta L \leq 10\%$ reduction from initial L value
- . Idc2(The temperature rise): $\Delta T = 20^\circ\text{C}$ typical at rated DC current
- ※ Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-20 ~ +85°C (Including self-generated heat)