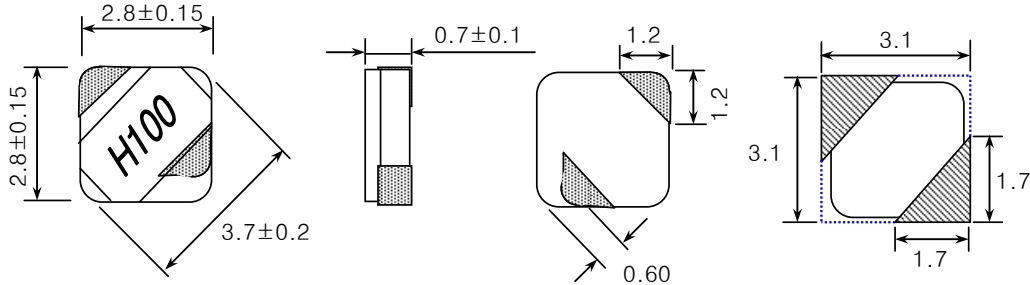


SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq.	DC Resistance(Ω)	Rated DC current(A)		Marking
	L (uH)	Tol. (%)			F (KHz)	Idc1 (Max.)	
LPF2807T-2R2M-C	2.2			0.30(0.25)	1.00	0.84	H2R2
LPF2807T-3R3M-C	3.3			0.40(0.33)	0.85	0.73	H3R3
LPF2807T-4R7M-C	4.7	±20	100	0.55(0.49)	0.70	0.62	H4R7
LPF2807T-6R8M-C	6.8			0.75(0.66)	0.60	0.58	H6R8
LPF2807T-100M-C	10			1.15(1.02)	0.45	0.45	H100

▼ 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 nominal L value
- . Idc2(The temperature rise): $\Delta T = 40^\circ\text{C}$ typical at rated DC current
- * Rated DC current(Idc) : The value of Idc1 or Idc2 , whichever is smaller

▼ Operating Temperature Range

-30 ~ +85°C (Including self-generated heat)