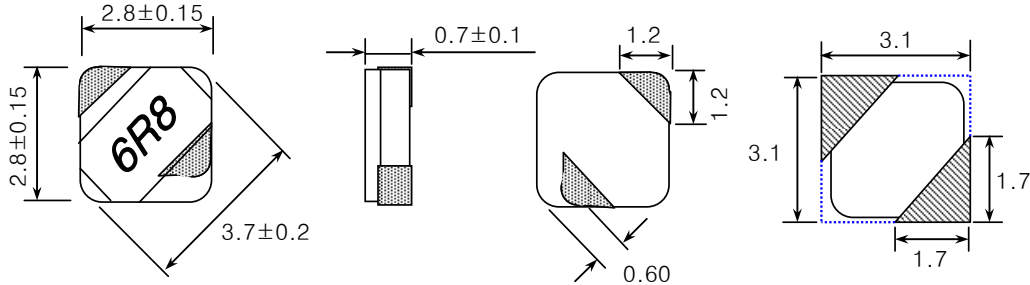


SMD Shielded type

▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



▼ Electrical Characteristics

Ordering Code	Inductance		Freq. F (KHz)	DC Resistance(Ω) Rdc (Max.)	Rated DC current(A)		Marking
	L (uH)	Tol. (%)			Idc1 (Max.)	Idc2 (Typ.)	
LPF2807T-1R5N	1.5	±30	100	0.16(0.12)	0.95	1.20	1R5
LPF2807T-2R2M	2.2	±20		0.24(0.19)	0.90	1.10	2R2
LPF2807T-3R3M	3.3			0.35(0.29)	0.75	0.90	3R3
LPF2807T-4R7M	4.7			0.44(0.37)	0.60	0.70	4R7
LPF2807T-6R8M	6.8			0.70(0.60)	0.50	0.60	6R8
LPF2807T-100M	10			0.83(0.74)	0.40	0.50	100
LPF2807T-220M	22			2.20(1.85)	0.25	0.35	220

▼ 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)