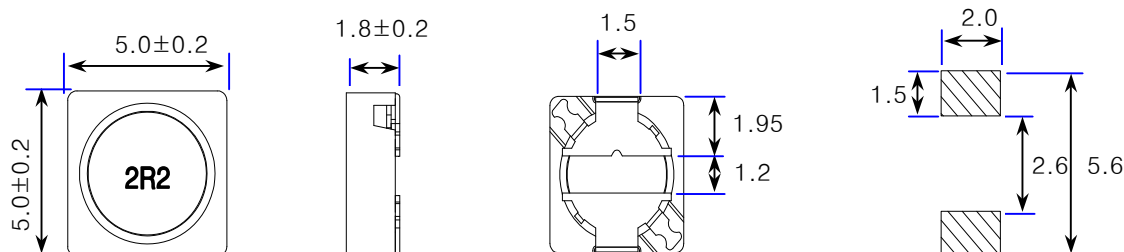


## SMD Shielded type

### ▼ Shape & Dimensions / Recommended Solder Land Pattern

(Dimensions in mm)



### ▼ Electrical Characteristics

Ordering Code	Inductance		Frequency	DC Resistance(Ω)	Rated DC current(A)	
	L (uH)	Tol. (%)	F (KHz)	Rdc ±20%	Idc1 (Max.)	Idc2 (Typ.)
LPC5020T-1R0N	1.0	±30	100	0.029	4.50	3.00
LPC5020T-1R5N	1.5			0.038	3.50	2.55
LPC5020T-2R2M	2.2	±20		0.045	3.20	2.50
LPC5020T-3R3M	3.3			0.069	2.80	2.30
LPC5020T-4R7M	4.7			0.086	2.40	1.80
LPC5020T-6R8M	6.8			0.132	1.80	1.70
LPC5020T-100M	10.0			0.16	1.10	1.30
LPC5020T-220M	22.0			0.40	1.00	0.80
LPC5020T-330M	33.0			0.61	0.80	0.62
LPC5020T-470M	47.0			0.93	0.65	0.54
LPC5020T-101M	100.0	1.83	0.45	0.41		

### ▼ 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) :  $\Delta L \leq 20\%$  reduction from initial 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

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