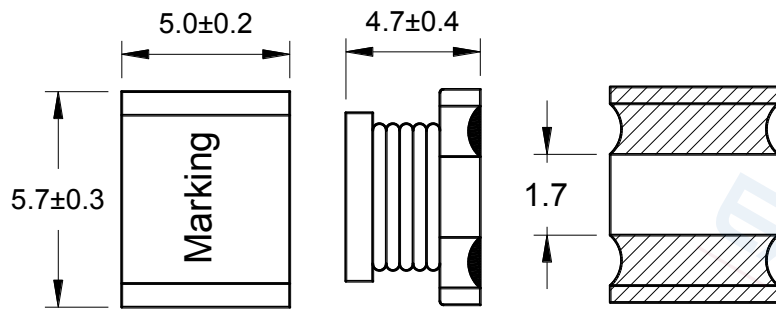


# SMD Power Inductor



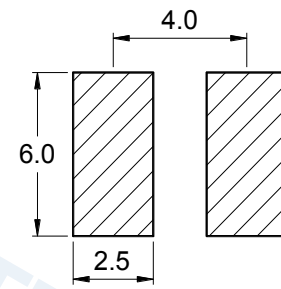
## 1 Appearance and dimensions (mm)

外形尺寸



## 2 Reference land pattern (mm)

参考基板尺寸



## 3 Electrical characteristics

电气特性

Part No. 型号	Inductance (μH) 电感值 ※1	D.C.R. (mΩ) 直流电阻		Saturation current (A) 饱和电流 ※2		Temperature rise current (A) 温升电流 ※3
		Typical	Max	Typical	Max	Typical
EI575047-1R2M	1.20 ±20%	26.5	31.8	9.00	7.20	3.55
EI575047-2R2M	2.20 ±20%	33.8	40.6	7.50	6.00	3.15
EI575047-3R3M	3.30 ±20%	42.0	50.4	6.50	5.20	2.82
EI575047-4R7M	4.70 ±20%	54.5	65.4	5.20	4.16	2.48
EI575047-6R8M	6.80 ±20%	62.0	74.4	4.70	3.76	2.32
EI575047-8R2M	8.20 ±20%	71.5	85.8	4.20	3.36	2.16
EI575047-100K	10.0 ±10%	80.5	96.6	4.00	3.20	2.04
EI575047-120K	12.0 ±10%	91.0	109	3.70	2.96	1.92
EI575047-150K	15.0 ±10%	100	120	3.40	2.72	1.83
EI575047-180K	18.0 ±10%	130	156	3.10	2.48	1.60
EI575047-220K	22.0 ±10%	168	202	2.70	2.16	1.41
EI575047-270K	27.0 ±10%	188	226	2.50	2.00	1.33
EI575047-330K	33.0 ±10%	222	266	2.30	1.84	1.23
EI575047-390K	39.0 ±10%	245	294	2.10	1.68	1.17
EI575047-470K	47.0 ±10%	318	382	1.85	1.48	1.03
EI575047-560K	56.0 ±10%	382	458	1.70	1.36	0.94
EI575047-680K	68.0 ±10%	460	552	1.60	1.28	0.85
EI575047-820K	82.0 ±10%	518	622	1.50	1.20	0.80
EI575047-101K	100 ±10%	703	844	1.35	1.08	0.69
EI575047-121K	120 ±10%	785	942	1.20	0.96	0.65
EI575047-151K	150 ±10%	980	1,176	1.00	0.80	0.58
EI575047-181K	180 ±10%	1,100	1,320	0.95	0.76	0.55
EI575047-221K	220 ±10%	1,400	1,680	0.88	0.70	0.49
EI575047-271K	270 ±10%	1,980	2,376	0.80	0.64	0.41
EI575047-331K	330 ±10%	2,220	2,664	0.70	0.56	0.39
EI575047-391K	390 ±10%	2,490	2,988	0.65	0.52	0.37
EI575047-471K	470 ±10%	3,300	3,960	0.60	0.48	0.32
EI575047-561K	560 ±10%	3,580	4,296	0.55	0.44	0.31
EI575047-681K	680 ±10%	4,670	5,604	0.50	0.40	0.27
EI575047-821K	820 ±10%	5,250	6,300	0.45	0.36	0.25
EI575047-102K	1,000 ±10%	6,100	7,320	0.40	0.32	0.23
EI575047-222K	2,200 ±10%	13,850	16,620	0.27	0.22	0.16
EI575047-472K	4,700 ±10%	34,300	41,160	0.20	0.16	0.10

All data is tested based on 25°C ambient temperature. 所有测试数据基于环境温度25°C条件下测试。

※1. Inductance measure condition at 100kHz, 0.1V. 电感测试条件为100kHz, 0.1V。

※2. Saturation current the actual value of DC current when the inductance decrease 20% of its initial value.  
饱和电流：电感值下降其初始值的20%时所加载的实际直流电流值。

※3. Temperature rise current the actual value of DC current when the temperature rise is ΔT40 (Ta=25).  
温升电流：使产品温度上升到ΔT40°C时所加载的实际直流电流值(Ta=25°C)



Balun Transformer | Coupler | Divider | Inductor | Choke | Bead Air Coil | LAN Transformer