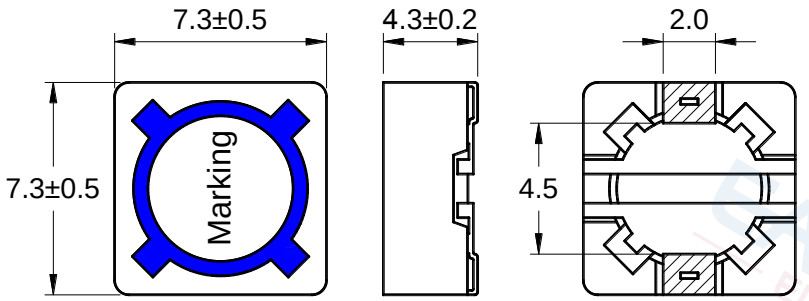
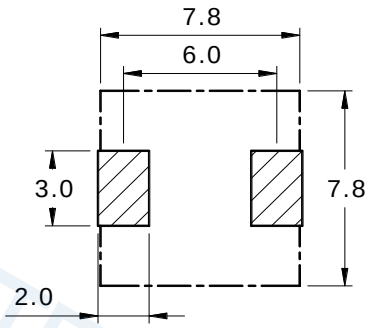
SMD Power Inductor

RoHS COMPLIANT

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
ERH74-1R2N	1.20 ±30%	13.5	16.2	7.50	6.00	5.55
ERH74-2R5N	2.50 ±30%	17.8	21.3	5.60	4.48	4.84
ERH74-3R3N	3.30 ±30%	21.8	26.2	4.60	3.68	4.37
ERH74-4R7N	4.70 ±30%	26.5	31.8	3.80	3.04	3.97
ERH74-6R8N	6.80 ±30%	32.0	38.4	3.30	2.64	3.61
ERH74-8R2N	8.20 ±30%	43.3	52.0	3.00	2.40	3.10
ERH74-100M	10.0 ±20%	50.5	60.6	2.60	2.08	2.87
ERH74-120M	12.0 ±20%	60.0	72.0	2.30	1.84	2.64
ERH74-150M	15.0 ±20%	67.0	80.4	2.10	1.68	2.49
ERH74-180M	18.0 ±20%	88.0	106	1.90	1.52	2.18
ERH74-220M	22.0 ±20%	96.0	115	1.75	1.40	2.08
ERH74-270M	27.0 ±20%	110	132	1.60	1.28	1.95
ERH74-330M	33.0 ±20%	125	150	1.50	1.20	1.83
ERH74-390M	39.0 ±20%	162	194	1.40	1.12	1.60
ERH74-470M	47.0 ±20%	187	224	1.25	1.00	1.49
ERH74-560M	56.0 ±20%	210	252	1.10	0.88	1.41
ERH74-680M	68.0 ±20%	270	324	1.00	0.80	1.24
ERH74-820M	82.0 ±20%	327	392	0.90	0.72	1.13
ERH74-101M	100 ±20%	375	450	0.85	0.68	1.05
ERH74-121M	120 ±20%	445	534	0.75	0.60	0.97
ERH74-151M	150 ±20%	510	612	0.70	0.56	0.90
ERH74-181M	180 ±20%	575	690	0.65	0.52	0.85
ERH74-221M	220 ±20%	770	924	0.58	0.46	0.74
ERH74-271M	270 ±20%	890	1,068	0.53	0.42	0.68
ERH74-331M	330 ±20%	1,090	1,308	0.48	0.38	0.62
ERH74-391M	390 ±20%	1,220	1,464	0.43	0.34	0.58
ERH74-471M	470 ±20%	1,540	1,848	0.40	0.32	0.52
ERH74-561M	560 ±20%	2,100	2,520	0.36	0.29	0.45
ERH74-681M	680 ±20%	2,380	2,856	0.32	0.26	0.42
ERH74-821M	820 ±20%	3,100	3,720	0.29	0.23	0.37
ERH74-102M	1,000 ±20%	4,100	4,920	0.27	0.22	0.32

All data is tested based on 25℃ ambient temperature. 所有测试数据基于环境温度25℃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 ℃时所加载的实际直流电流值(Ta=25 ℃)

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