

1 料号定义

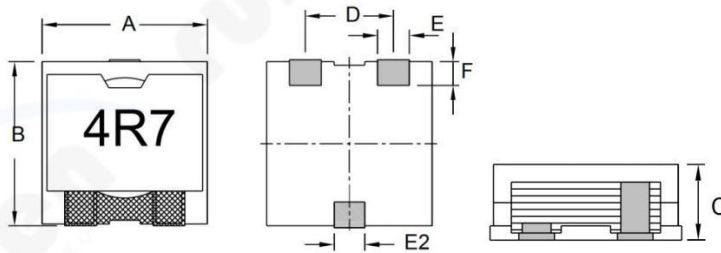
Part No. definition

RS **1580** - **100** **M**
 ① ② ③ ④

- ① 产品代码 : 功率电感
Product Code
- ② 产品尺寸 : 15.0×15.0×8.0mm
Dimension
- ③ 电感值 : 例 1R0 = 1.0uH 100 = 10uH
Inductance
- ④ 公差范围 : M = ±20% N= ±30%
Tolerance
- ※ 工作温度范围: -40℃ ~ +155℃
Operating temperature range : -40℃ ~ +155℃ (Including self-temperature rise)

2 外形尺寸(mm)

Appearance and dimensions



A	B	C	D	E	E2	F
15.0Max	15.5Max	8.5Max	9.0±0.5	2.8REF.	2.5REF.	1.8REF

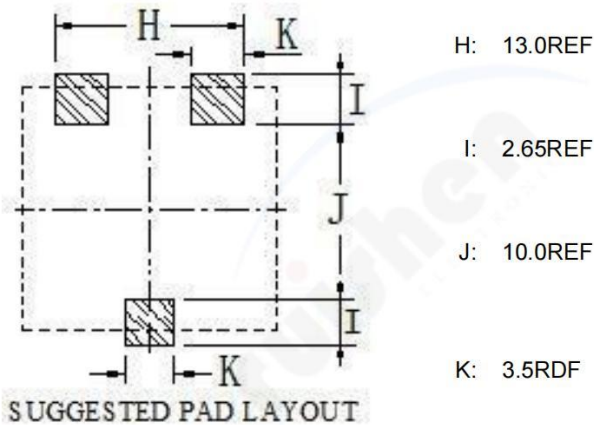
3 原理图

Schematic



4 参考基板尺寸(mm)

Reference PCB pattern



5 电气特性

Electrical characteristics

料号 Part No.	电感值 Inductance (μH) ※1 $\pm 20\%$	直流电阻 DC Resistance ($\text{m}\Omega$)		温升电流 Heat Rating Current (A) ※2	饱和电流 Saturation Current (A) ※3
		Typical	Max		
RS1580-R40M	0.4	1.0	1.2	23	66
RS1580-1R0M	1.0	1.2	1.5	21	45
RS1580-2R2M	2.2	2.7	3.2	18	28
RS1580-3R3M	3.3	4.1	5.0	16	23
RS1580-4R7M	4.7	5.0	6.0	12	19
RS1580-6R8M	6.8	6.0	7.2	11	14
RS1580-100M	10	8.2	9.9	10	11

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

※1 电感值测试条件为 100kHz, 1.0V。
Inductance is tested at 100kHz, 1.0V.

※2 温升电流: 使产品温度上升到 $\Delta T40^\circ\text{C}$ 时所加载的直流电流值 ($T_a=25^\circ\text{C}$)。
Heat rating current: The value of DC current when product temperature rise is $\Delta T40^\circ\text{C}$ ($T_a=25^\circ\text{C}$).

※3 饱和电流: 电感值下降到其初始值的 35% 时所加载的直流电流值。
Saturation current: The value of DC current when the inductance decreases 35% of its initial value.

6 包装规格

350pcs/盘