

1 型号定义

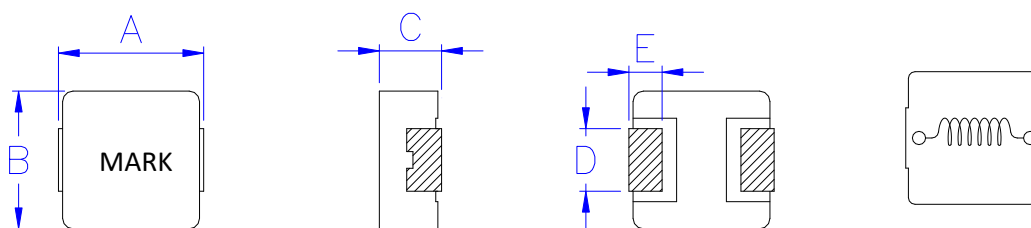
Type No. definition

GPSR	-	AP0750	-	1R0	M	S
①		②		③	④	⑤

- ① 产品代码 Product Code 一体成型电感
- ② 产品尺寸 Dimension 7.2X6.6X5.0mm
- ③ 电感值 Inductance 例Example: R47=0.47uH 1R0=1.0uH 220=22uH
- ④ 公差范围 Tolerance J = ±5% K = ±10% L = ±10% M = ±20% N = ±30%
- ⑤ 表面颜色 Over coating S:本色喷码印字Iron grey and marking.

2 外形尺寸(mm)

Appearance and dimensions



A	B	C	D	E
7.2±0.5	6.6± 0.5	5.0MAX	3.0±0.3	1.6±0.3

3 原理图

Schematic

4 印字标识

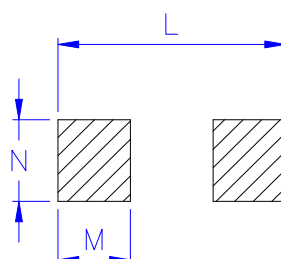
Marking



※ MARK:感值

5 参考基板尺寸(mm)

Reference PCB pattern



L	8.4	Ref.
M	3.7	Ref.
N	3.5	Ref.

6 电气特性

Electrical characteristics

型号 Type No.	电感值 Inductance μH	直流电阻 DC Resistance mΩ		温升电流 Heat Rating Current A	饱和电流 Saturation Current A
	±20%	Typ.	Max.	Max.	Max.
GPSR-AP0750-R68MS	0.68	4.1	4.9	17.0	21.0
GPSR-AP0750-1R0MS	1	4.9	7.8	14.0	16.0
GPSR-AP0750-1R5MS	1.5	6.7	9.0	13.0	15.0
GPSR-AP0750-2R2MS	2.2	10.6	13.0	10.0	15.0
GPSR-AP0750-3R3MS	3.3	14.7	18.0	8.0	13.0
GPSR-AP0750-4R7MS	4.7	21.9	28.5	6.5	11.0
GPSR-AP0750-6R8MS	6.8	28.5	34.0	6.0	9.0
GPSR-AP0750-100MS	10	33.5	42.0	5.5	6.5
GPSR-AP0750-150MS	15	69.0	85.0	3.5	6.5
GPSR-AP0750-220MS	22	81.8	105.0	3.2	5.0
GPSR-AP0750-330MS	33	153.8	185.0	2.3	4.0
GPSR-AP0750-470MS	47	193.8	235.0	2.0	2.5
GPSR-AP0750-560MS	56	253.6	300.0	1.8	2.5

※1 电感值测试条件为100KHz / 1V。

Inductance is tested at 100KHz / 1V.

※2 温升电流：使产品温度上升到ΔT40℃时所加载的直流电流值(Ta=25℃)。

Heat rating current: The value of DC current when product temperature rise is ΔT40℃ (Ta=25℃).

※3 饱和电流：电感值下降其初始值的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.

※4 特别提示:线路设计,组件布局,使用频率,散热系统等均会影响产品温度,请务必验证产品实际发热状况。

Special remind: Circuit design, component placement, frequency, cooling system and etc. all will affect the product temperature. Please verify the actual product temperature in the final application.

※5 所有数据基于环境温度25℃条件下测试。

All data is tested on 25℃ ambient temperature.

※6 工作温度范围：-40℃ ~ +125℃（包含产品发热）

Operating temperature range : -40℃ ~ +125℃ (Including self-temperature rise)

7 温升与饱和电流曲线

