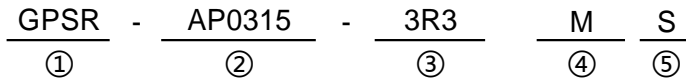


1 型号定义

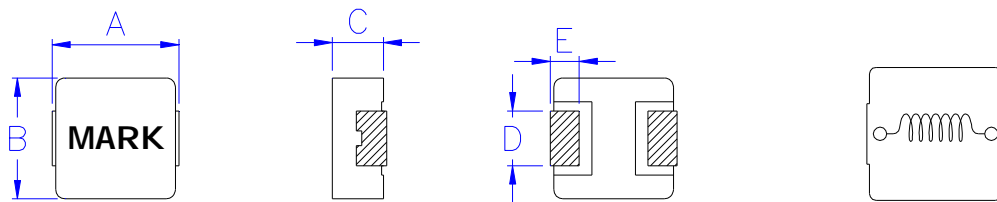
Type No. definition



- ① 产品代码 一体成型电感
Product Code
- ② 产品尺寸 3.6X3.2X1.5mm
Dimension
- ③ 电感值 例Example: R47=0.47uH 1R0=1.0uH 220=22uH
Inductance
- ④ 公差范围 J = ±5% K = ±10% L = ±10% M = ±20% N = ±30%
Tolerance
- ⑤ 表面颜色 S:本色喷码印字Iron grey and marking.
Over coating

2 外形尺寸(mm)

Appearance and dimensions



A	B	C	D	E
3.6±0.2	3.2±0.2	1.5Max	1.2±0.3	0.6±0.3

3 原理图

Schematic

4 印字标识

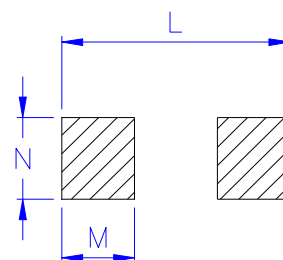
Marking



※ 感值

5 参考基板尺寸(mm)

Reference PCB pattern



L	4.0	Ref.
M	1.4	Ref.
N	1.2	Ref.

6 电气特性

Electrical characteristics

型号 Type No.	电感值 Inductance μH ※1	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-AP0315-R56MS	0.56	21.6	25.9	5.0	8.0
GPSR-AP0315-R68MS	0.68	24.3	29.2	4.5	6.5
GPSR-AP0315-R82MS	0.82	31.2	37.4	4.0	6.0
GPSR-AP0315-3R3MS	3.30	137.6	165.2	2.0	3.0

※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°C时所加载的直流电流值(Ta=25°C)。

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

※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°C条件下测试。

All data is tested on 25°C ambient temperature.

※6 工作温度范围：-40°C ~ +125°C (包含产品发热)

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

7 温升电流VS饱和电流曲线

