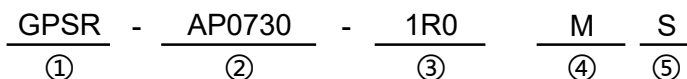


1 型号定义

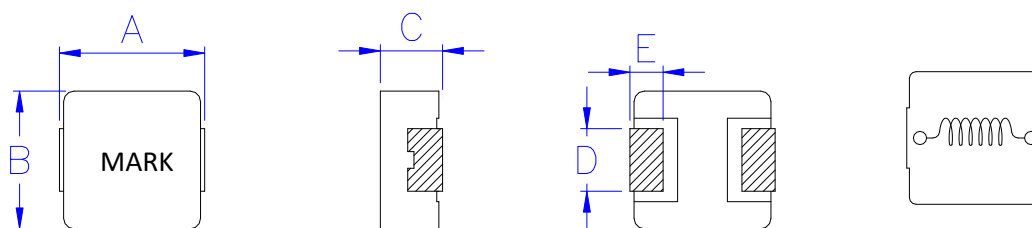
Type No. definition



- ① 产品代码 Product Code 一体成型电感
- ② 产品尺寸 Dimension 7.2X6.6X3.0mm
- 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	3.0MAX	3.0±0.3	1.6±0.3

3 原理图

Schematic

4 印字标识

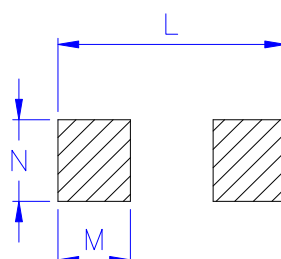
Marking



※ 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-AP0730-R22MS	0.22	2.2	3.0	24.0	34.0
GPSR-AP0730-R47MS	0.47	3.2	4.1	18.0	20.0
GPSR-AP0730-R68MS	0.68	4.9	5.3	16.0	17.0
GPSR-AP0730-1R0MS	1	7.1	8.0	13.0	15.0
GPSR-AP0730-1R5MS	1.5	9.4	14.0	10.0	15.0
GPSR-AP0730-2R2MS	2.2	11.9	16.0	9.0	12.0
GPSR-AP0730-3R3MS	3.3	20.8	26.0	7.0	11.0
GPSR-AP0730-4R7MS	4.7	28.5	38.0	5.5	9.0
GPSR-AP0730-6R8MS	6.8	44.7	48.0	5.0	6.5
GPSR-AP0730-100MS	10	59.5	75.0	4.0	5.5
GPSR-AP0730-150MS	15	98.5	118.0	2.8	3.0
GPSR-AP0730-220MS	22	147.5	200.0	2.5	3.0

※1 电感值测试条件为100KHZ 0.1V.

Inductance is tested at 100KHZ 0.1V.

※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

