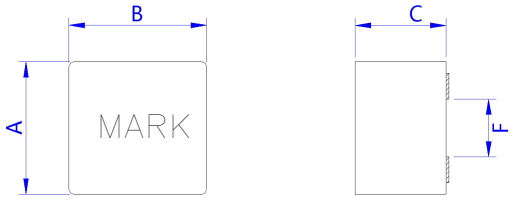
1 型号定义 Type No. definition

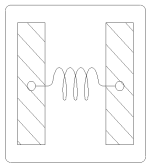
GHFV	-	AP0660	-	2R2	M	S
①		②		③	④	⑤

①	产品代码 Product Code	一体成型电感扁平线系列
②	产品尺寸 Dimension	AP0630：6.4x6.6x3.0mm，AP0660：6.4x6.6x6.0mm
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



3 原理图 Schematic

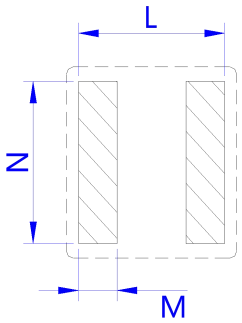


Size Code	A	B	C	D	E	F
GHFV-AP0630	6.4±0.3	6.6±0.3	3.0Max	1.25±0.2	5.1±0.3	2.8±0.2
GHFV-AP0660	6.4±0.3	6.6±0.3	6.0Max	1.25±0.2	5.1±0.3	2.8±0.2

4 印字标识 Marking

※ 感值

5 参考基板尺寸(mm) Reference PCB pattern



L	5.7	Ref.
M	1.45	Ref.
N	5.6	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 ※2	饱和电流 Saturation Current A ※3
	±20%	Typ.	Max.	Max.	Max.
GHFV-AP0630-R56MS	0.56	3.2	4.2	23.0	29.0
GHFV-AP0630-1R0MS	1.0	4.9	6.4	16.0	18.0
GHFV-AP0630-1R5MS	1.5	7.8	10.1	14.0	16.0
GHFV-AP0660-R68MS	0.68	1.9	2.6	27.0	27.0
GHFV-AP0660-1R0MS	1	4.2	5.9	18.0	21.0
GHFV-AP0660-3R3MS	3.3	9.5	12.5	12.0	12.0
GHFV-AP0660-4R7MS	4.7	14.4	18.7	10.0	11.0
GHFV-AP0660-6R8MS	6.8	18.3	22.5	9.0	10.0
GHFV-AP0660-100MS	10	28.2	33.8	6.0	8.0

※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℃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℃).

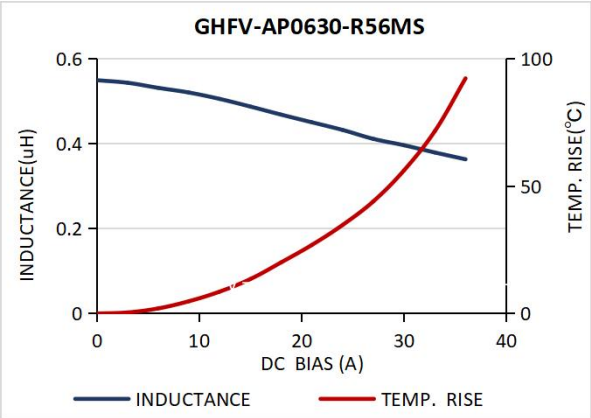
※3) 饱和电流：电感值下降其初始值的35%时所加载的直流电流值。
Saturation current: The value of DC current when the inductance decreases 35% of its initial value.

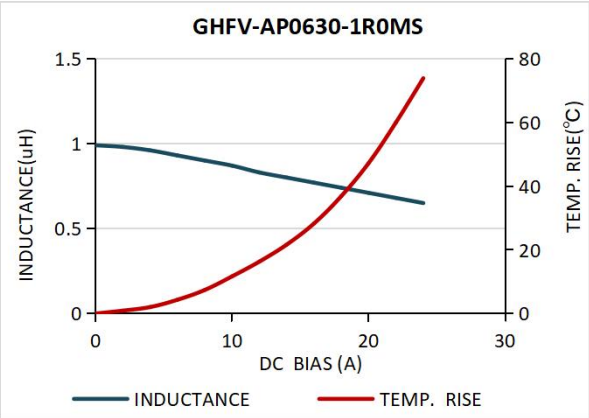
※4) 特别提示：线路设计，组件布局，使用频率，散热系统等均会影响产品温度，请务必验证产品实际发热状况。
Special remind: Circuit design, component placement, frequency, cooling system and etc. all will affect the product temperature. Please verify the actual product temperature in the final application.

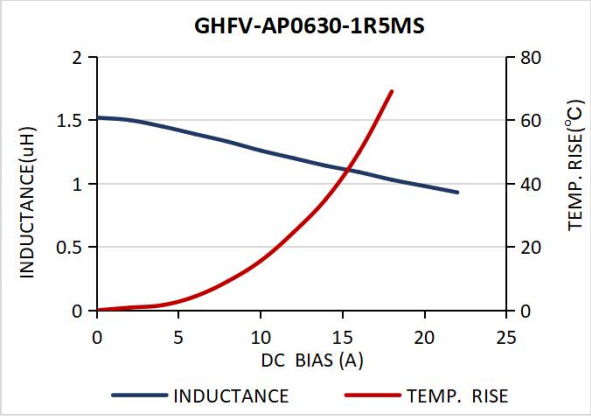
※5) 所有数据基于环境温度25℃条件下测试。
All data is tested on 25℃ ambient temperature.

※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 温升电流VS饱和电流曲线
Heat rating current VS saturation current curve







温升电流VS饱和电流曲线

Heat rating current VS saturation current curve