

产 品 承 认 书

SPECIFICATION FOR APPROVAL

客户确认 /Customer Admit	客户名称/Customer	Shenzhen Warm light Intelligent Technology Co., LTD
	客户料号/Cust P/N	
	产品名称/Name	TD-G50-F100
	规格/Part No	0.08*105P*10Ts, G50*5.3*1.0mm, L 槽, 出线 100MM
	日期/Date	2022/10/21
	版本/Version	V2.1
	拟定/Design By	
	审查/Check. By	
	审批/Approve By	
	物料代码	

Manufacturer: Shenzhen Aozhixin Electronic Technology Co., Ltd

Address: 4th Floor, Building 4, Silianshantang Industrial Zone, Henggang Street, Longgang District, Shenzhen

二、变更的规格说明/Request For New SPEC.

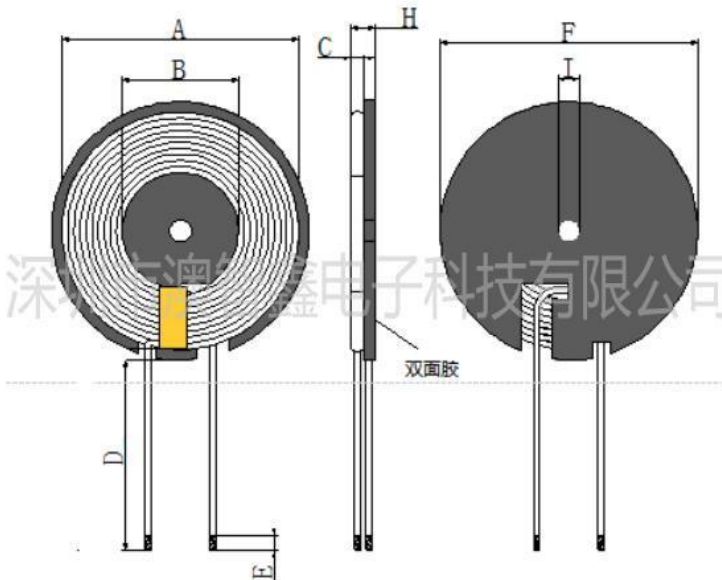
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三、备注/Remark:

- 3.1 本产品符合环境关联物质的管理规定要求.
- Above product comply to li yin Environmental material system requirement.
- 3.2 如未回传，则以贵司下订单为样品通过！
- In Event Of No Sign Back,We Will Under Take P.O. As Acceptance To Sample Approval!

四、产品规格 /Product Specification

4.1 外观 & 尺寸 (Unit: mm)

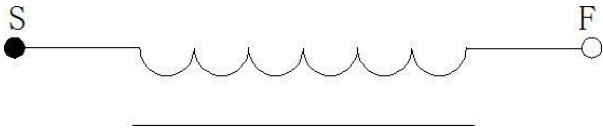


A	43.0±0.8
B	20.5±0.5
C	1.2±0.5
D	100±3.0
E	3.0±2.0
F	50±0.6
H	2.7Max
I	5.3ref

注意事项:

1. 丝包线单线圈;
2. 出线位置缠 5-8mm(宽) 的聚酰亚胺胶带 1.5Ts;
3. 线圈本体不可线松,不可有大于 1/3 线径的间隙;
4. 线圈粘贴在磁片的正中央处;
5. 两条引线分别从磁片的大,小槽引出;
6. 磁片背面贴普通白色双面胶;
7. 磁片表面光泽、色泽均匀、表面不得有影响贴膜或粘胶的灰尘或磁粉。

4.2 原理图 /SCHEMATIC DIAGRAM:



4.3 绕线参数 /Winding Specification:

序号 NO.	端子 TERMINAL		线径 WIRE	圈数 Turns	绕线方向 Winding Direction
1	S	F	丝包线 0.08*105P	10Ts	CCW

4.4 电气特性 ELECTRICAL CHARACTERISTICS:

温度 TEMPERATURE:25±10° C, 湿度 RELATIVE HUMIDITY:65±20%

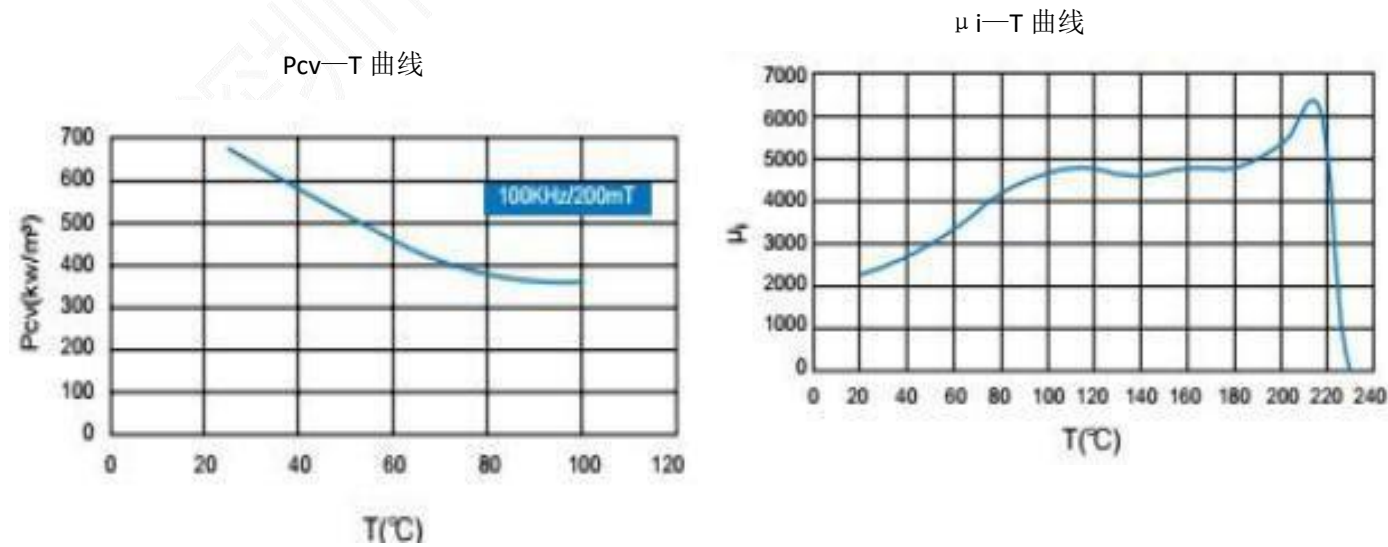
序号 NO.	项目 ITEM	端子 TERMINAL	标准 SPECIFICATION	测试条件 TEST FREQUENCY	测试仪器 TESTEQUIPMENTS
1	LS	S-F	6.5uH±10%	100KHz/1.0V	UC2856B
2	DCR	S-F	45mΩ Max		ZX5512B

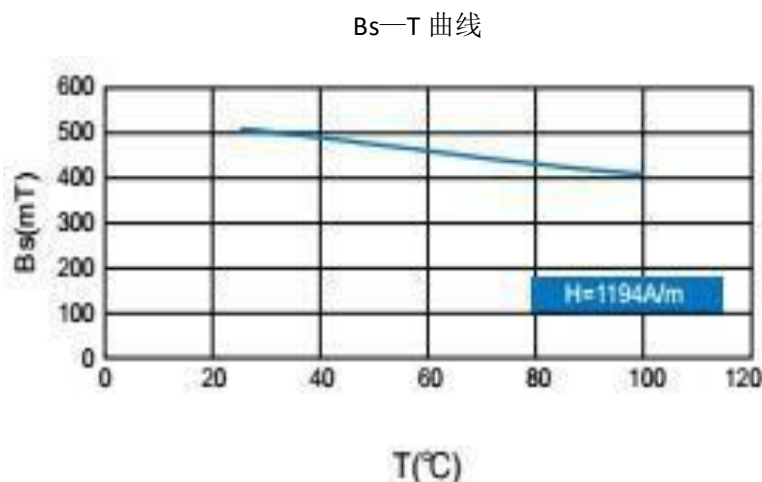
五：磁片特性 Material Characteristics:（附页）

5.1 主要参数 MAIN PARAMETERS

NO	参数	代号	单位	测试条件	BP40
1	起始磁导率 Initial penrmeability	Ui	\	25℃	2300±25%
2	饱和磁通密度 Saturation flux density	Bs	mT	H=1194A/m 25℃	510
				100℃	390
3	功率损耗 Pcv Power Loss	Pc	Kw/m³	25℃,100kHz,200mT	650
				100℃,100kHz,200mT	450
4	居里温度 Curie temperature	Tc	℃		≥215
5	密度 Density	d	Kg/m³		4.8×10³

5.2 材料特性曲线 Material Characteristics Curve





5.3 外观尺寸: AQL=1.0/ 电性能 (L) :AQL=0.65

①清洁: 磁片表面光泽, 色泽均匀、光滑, 无明显疏松现象等。磁片表面不得有影响贴膜或贴胶的灰尘或磁粉存在。

②磁片掉块、破损: 每个破损处允许标准为长度 $\leq 5\text{mm}$ 、宽度 $\leq 1.0\text{mm}$ 、深度 $\leq 0.5\text{mm}$, 每两个破损处间隔在 1mm 内的判定为一个破损处, 每个产品允许接受 3 个此标准内的破损处。

③裂纹: 磁芯只允许存在两条长小于 5mm, 宽度小于 0.5mm 的不明显裂纹存在, 不允许有影响磁芯电磁性能和机械强度的裂纹和起层。

④阴阳面: 尺寸在公差范围内可不作检验。

⑤晶斑、亮点: 磨削面结晶 $\leq 2\text{mm}^2$, 单面个数 < 3 个。

⑥表面平整度: 表面允许凹凸深度 $\leq 0.08\text{mm}$ (原则上不允许有手感明显的线痕)。

⑦机械强度: $\geq 1\text{kg}$ (仪器: 智取 DSZ-500N 压力计)

5.3 Appearance dimensions: AQL=1.0/Electrical performance (L): AQL=0.65

① Cleaning: The surface of the magnetic disc is glossy, with a uniform and smooth color, and no obvious looseness. The surface of the magnetic disc must not have dust or magnetic particles that affect the film or adhesive application.

② Magnetic pieces falling off or damaged: The allowable standards for each damaged area are length $\leq 5\text{mm}$, width $\leq 1.0\text{mm}$, and depth $\leq 0.5\text{mm}$, with an interval of 1mm between every two damaged areas. The internal judgment is a damaged area, and each product is allowed to accept three damaged areas within this standard.

③ Cracks: Only two inconspicuous cracks with a length less than 5mm and a width less than 0.5mm are allowed to exist in the magnetic core. Cracks and delamination that affect the electromagnetic performance and mechanical strength of the magnetic core are not allowed.

④ Yin Yang surface: Dimensions within the tolerance range do not require inspection.

⑤ Crystal spots and highlights: The number of crystals on the ground surface is $\leq 2\text{mm}^2$, and the number of single surfaces is less than 3.

⑥ Surface flatness: The allowable depth of concavity and convexity on the surface is $\leq 0.08\text{mm}$ (in principle, no obvious line marks are allowed).

⑦ Mechanical strength: $\geq 1\text{kg}$ (instrument: Intelligent DSZ-500N pressure gauge)