



东莞市亚富智能科技有限公司

DongGuan YaFai Intelligent Technology Co.,ltd

承 认 书

APPROVAL SHEET

物 料 名 称

Product Name: PKE Bare antenna

物 料 描 素

Specification: AP2.5x8x50mm/HD-Mn,345uH $\pm$ 5% @125KHz/1V, Fala472J630V P=7.5 capacitance

物 料 编 号

Part N.O: LF50M351J-125K-NF

客 户 名 称

Customer Name: 祥行xiangxing

版 本

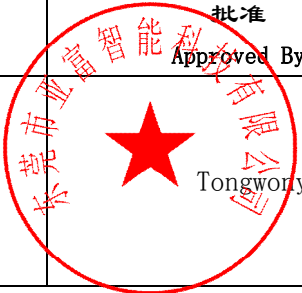
Version : VR0

日 期

Date : 2024-08-16

供 应 商 确 认

APPROVED BY VENDOR

制作 Prepared By	审核 Checked By	批准 Approved By
Yang	Tongwony	 Tongwony

客 户 确 认

APPROVED BY CUSTOMER

确认 Approved By	审核 Checked By	批准 Approved By



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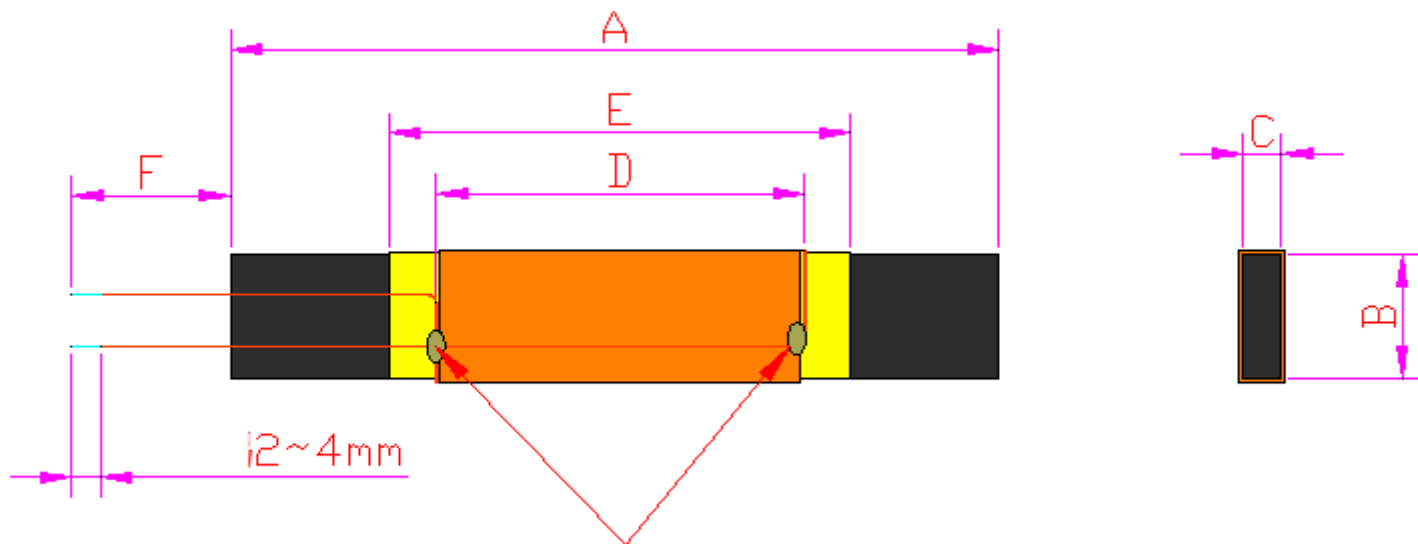
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Change the resume

VR0	Initial offering	Yang Xinghai	2024-08-16

一、产品外形尺寸 Dimension(mm):

antenna gain:0dBi
Turn number:110TS

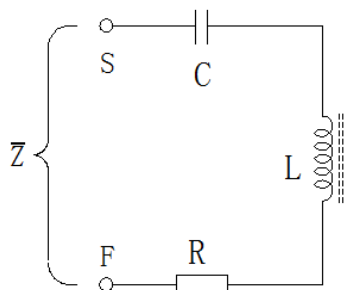


A	B	C	D	E	F	
50+0.3/-0.7	8±0.3	2.5±0.2	32±2	2~4	50±5	mm

二、主要材料 Main Material:

Item	Material	Description	Remark
1	Ferrite Core	AP2.5x8x50mm/HD-Mn	
2	Copper Wire	Φ0.25mm/2UE-N 155° C	
3	Capacitor	Fala 472J630V P=7.5	

三、等效原理图 Schematic:



Notes:

1. L :Ferrite Core Coil Inductance 电感;
2. C:Capacitor 电容;
3. R:Copper Resistance 铜线阻抗;
4. Z:Impedance 阻抗



四、电气性能 Electrical Characteristics:

Parameter (参数)	Symbol (符号)	Conditions (测试条件)	Min. (最小值)	Avg. (平均值)	Max. (最大值)	Unit (单位)
Inductance (电感量)	L	125KHz/1V	327.75	345	362.25	uH
Q min Coil (品质因素)	Q	125KHz/1V	150	180		NA
Capacitor (电容量)	C	1KHz/1V	4.465	4.7	4.935	nF
Frequency (频率)	F	NA	122.5	125	127.5	KHz
Impedance (阻抗)	Z	125KHz/1V	0.5	3.5	10.0	Ω

Warm reminder:

(AtTA =25°C) Ambient temperature 25°C test;

Metal will weaken the magnetic field, close to metal will cause inductance and Q value change, please try to stay away from metal.

5. Package:

1. Inner packaging: the bare antenna and the capacitor (the capacitor does not cut the foot) are packaged separately, and the corresponding gear matches the shipment;

2. Outer packing (outer box K=A440*320*150mm)

pending