



东莞市亚富智能科技有限公司

DongGuan YaFai Intelligent Technology Co.,Ltd.

承 认 书

SPECIFICATION FOR APPROVED

物 料 名 称

Product Name: RFID low-frequency antenna

物 料 编 码

Part N.O: RF35N681J-125K-NN

物 料 描 索

Specification: R10x35mm/Nix ϕ 0.35mm/2UE-Nx680 $\pm$ 10uH@125KHz/1V

客 户 名 称

Customer Name: /

版 本

Version : VR0

日 期

Date : 2025-04-15

供应商确认

APPROVED BY VENDOR

制作 Prepared By	审核 Checked By	批准 Approved By
Yang		
客户确认 APPROVED BY CUSTOMER		
确认 Approved By	审核 Checked By	批准 Approved By

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变更履历表 Change History Table

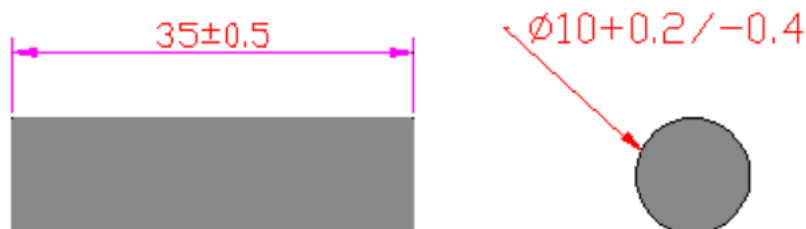
版本 versions	变更内容描述 Description of Changes	工程 project	日期 Date
VR0	初次发行 First release	Yang	2025-04-15



一、产品主要尺寸 Dimension(mm):

1、磁芯尺寸图:

Magnetic core size diagram:



2、产品成品尺寸图:

Product finished size drawing:

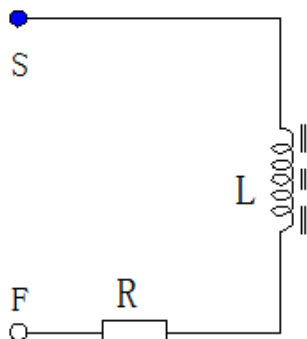


二、主要材料 Main Material:

Item	Material	Description	Remark
1	copper wire	Φ0.35mm/2UE-N 155° C	
2	magnetic core	R10*35mm/Ni	
3	External connection cable	30mm 22#UL1007 Red/Black Single Branch Line+PH3P-2.0mm White plug	
4	drivepipe	Black PVC heat shrink tubing	



三、等效原理图 Schematic:



Notes:

1. L :Ferrite Core Coil Inductance 电感;
2. R:Copper Resistance 铜线阻抗;

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	670	680	690	uH
Q min Coil (品质因素)	Q	125KHz/1V	50	60		NA
Resistance (内阻)	DCR	125KHz/1V		0.8	1.0	Ω

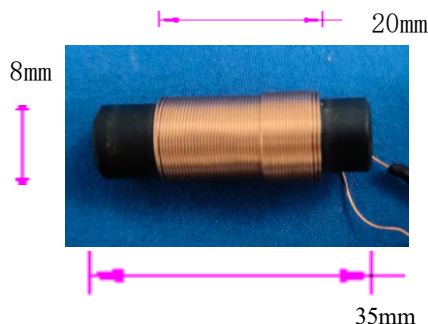
温馨提示: friendly reminder

(At $T_A=25^{\circ}\text{C}$)环境温度 25 摄氏度测试;

(At $T_A = 25^{\circ}\text{C}$) Test conducted under environmental temperature of 25 degrees Celsius;

金属会弱化磁场, 靠近金属会引起电感量和 Q 值的改变, 请尽量远离金属.

Metals will weaken the magnetic field. Being close to metals will cause changes in inductance and Q value. Please stay away from metals as much as possible.



Manufacturer: Ganzhou Jiawosi Automotive Electronics Co., Ltd.

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WIRE /LENGTH : $\Phi 0.25\text{mm} \times 1\text{PCS} / 280\text{mm}$

NUM TURNS : 73TS