



APPROVAL SHEET

Product Name: 125K PKE (125K PKE LF Antenna)

Specification: 8.5x15.5x90.5mm, 125KHz $\pm$ 2%, 150mm 22# 3266W/B

Part N. O: LF65M491J-125K-BW

Customer Name:

Version : VR0

Date :

APPROVED BY VENDOR

Prepared By	Checked By	Approved By

APPROVED BY CUSTOMER

Approved By	Checked By	Approved By

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Change history



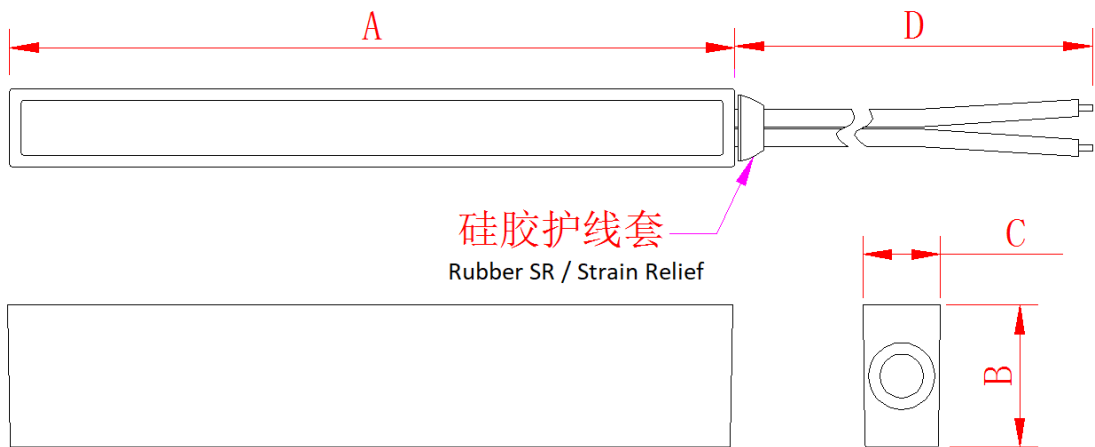
东莞市亚富智能科技有限公司

SunBright DongGuan YaFai Intelligent Technology Co.,ltd.

version	change list	engineer	date
VRO	(Initial Release)	杨星海	2019-07-02

(model): LF65M491J-125K-BW

一、 Dimension (mm)：

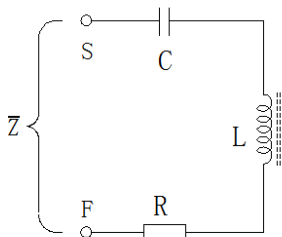


A	B	C	D	Unit
90.5±0.5	15.5±0.3	8.5±0.2	130±20	mm

二、 Main Material:

Item	Material	Description	Remark
1	Ferrite Core	AP3x10x65mm/Mn	
2	Copper Wire	Φ0.3mm/2UE/155℃	
3	Capacitor	WIMA3.3nF/P7.5	

三、 Schematic:



Notes:

1. L :Ferrite Core Coil Inductance ;
2. C:Capacitor ;
3. R:Copper Resistance ;
4. Z:Impedance



四、parameters:

Parameter	Symbol	Conditions	Min.	Avg.	Max.	Unit
Inductance	L	125KHz/1V	465	490	515	uH
Q min Coil★	Q	125KHz/1V	150	170	190	NA
Capacitor	C	1KHz/0.25V	3.135	3.3	3.465	nF
Frequency★	F	NA	122.5	125	127.5	KHz
Impedance★	Z	125KHz/1V	0.5	2.5	5.0	Ω

Note: Metal will weaken the magnetic field, causing the inductance and Q value change, the resonant frequency changes, thus leading to poor induction distance, please try to use away from metal