

# APPROVAL SHEET

## **PCB ANTENNA**

**863~870 MHz Working Frequency**

**Halogens Free Product**

**P/N: RFPCA791010IMRB301**

Customer : \_\_\_\_\_  
Customer 's Part No. : \_\_\_\_\_  
Approval No. : \_\_\_\_\_  
Issue Date : \_\_\_\_\_

\*Contents in this sheet are subject to change without prior notice.

Version	Date	Description	Author
V01	2017 Jun.	New Release	SHLEE
V02	2017 Jun.	變更 Layout	SHLEE

Approval sheet

**ELECTRICAL CHARACTERISTICS**

Item	Specification
Working Frequency Range	863~870 MHz(Note-1)
Return Loss	-10 dB(Max)
Gain(peak)	-
VSWR	< 2.0
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Polarization	Linear Vertical

\*Note 1. Central Frequency should be defined after customers' application approval.

**MATERIAL TABLE**

Items	Description
Antenna	PCB FR4 T=0.4mm(黑漆板)
Double Tape	3M9888T
Cable	Ø1.13 Cable (Black)
Connector	IPEX (Gold)

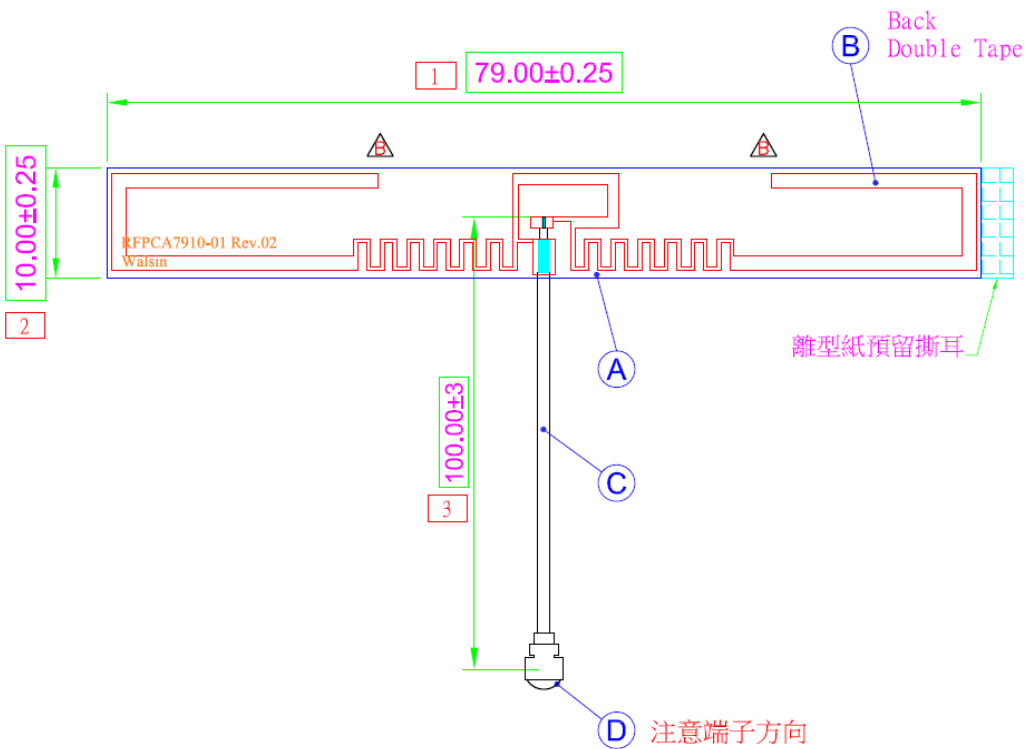
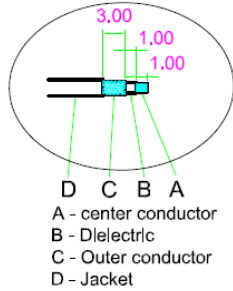
**ORDERING RULE**

RF	PCA	7910	10	I	M	R	B	3	01
Type Code	Product Code	PCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	PCB Antenna	Per 2 digits of length, width e.g.: 4006 Length 40.5mm, Width 6mm	2 digits for cable length e.g.: 22 Length 22cm	A: N C:MCX D:IPEX III E: IPEX IV F: IPEX A13 H: Hirose I: IPEX M: MMCX S: SMA T: TNC U:MURATA N: None	A: Reverse Female B: Reverse Male F: Female M: Male N: None	0: 0GHz 3: 3GHz 5: 5GHz 6: 6GHz A: 2.4GHz ISM band B: GSM 900/1800 dual band G: GPS band L: 2.4/5.2/5.8 GHz tri-band N: NFC R: RFID T: LTE band W: WCDMA band	B: MP T:During Test X: Pile Run	0:None 1:∅ 0.81 2:∅ 1.32 3:∅ 1.13 4:Low Loss ∅ 1.13 5:∅ 0.5 6:RG316 7: ∅ 1.37 8:RG178 9:Low Loss ∅ 1.37	01~99 series number

# Dimensions

**ELECTRICAL**  
Frequency : 863~870 MHz

NO	DESCRIPTION	QTY	REMARK
A	Body	PCB FR4(T=0.4mm),Black	1
B	Double Tape	3M9888T	1
C	Coaxial cable	( $\phi$ 1.13)(Black)	1
D	Connector	IPEX (Gold)	1



IPEX方向:  
100mm :  $\pm 90^\circ$   
200mm :  $\pm 135^\circ$   
200mm以上不管控

※標記□記號者, 為重點檢驗尺寸

		設計 DR.	SHLEE	2017.06.20	品名	版本 REV.
		核准 APP.	Marco		ARTICLE	B
變更Layout	2017.06.28	SHLEE	容許公差 TOLERANCE		RFPCA791010IMRB301	
LTR	DESCRIPTION	DATE	REQ. BY			
PSA 華新科技股份有限公司 Walsin Technology Corporation		單位 UNIT		比例 SCALE	張數 SHEET	
		mm		****	1	