

# APPROVAL SHEET

**Dipole ANTENNA**  
**802.11 b/g/n Series**  
**2.4 GHz Single Band Working Frequency**  
**Halogens Free Product**  
**P/N: RFDPA870945IMBB301**

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

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

Version	Date	Description	Author
V01	2016 May.	New Release	SHLEE

**ELECTRICAL CHARACTERISTICS**

Item	Specification
Working Frequency Range	2.4 ~ 2.5 GHz (Note-1)
Gain	1.16 dBi
Return Loss	-10dB(Max)
VSWR	1.9 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω

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

**MATERIAL TABLE**

Items	Description
Cable	Coaxial Cable $\phi$ 1.13(Gray)
Antenna Cover	TPEE
Antenna Down Base	PC/PBT
Antenna UP Base	PC
Connector	IPEX Compatible
Color	Black
PCB	FR4

**ORDERING RULE**

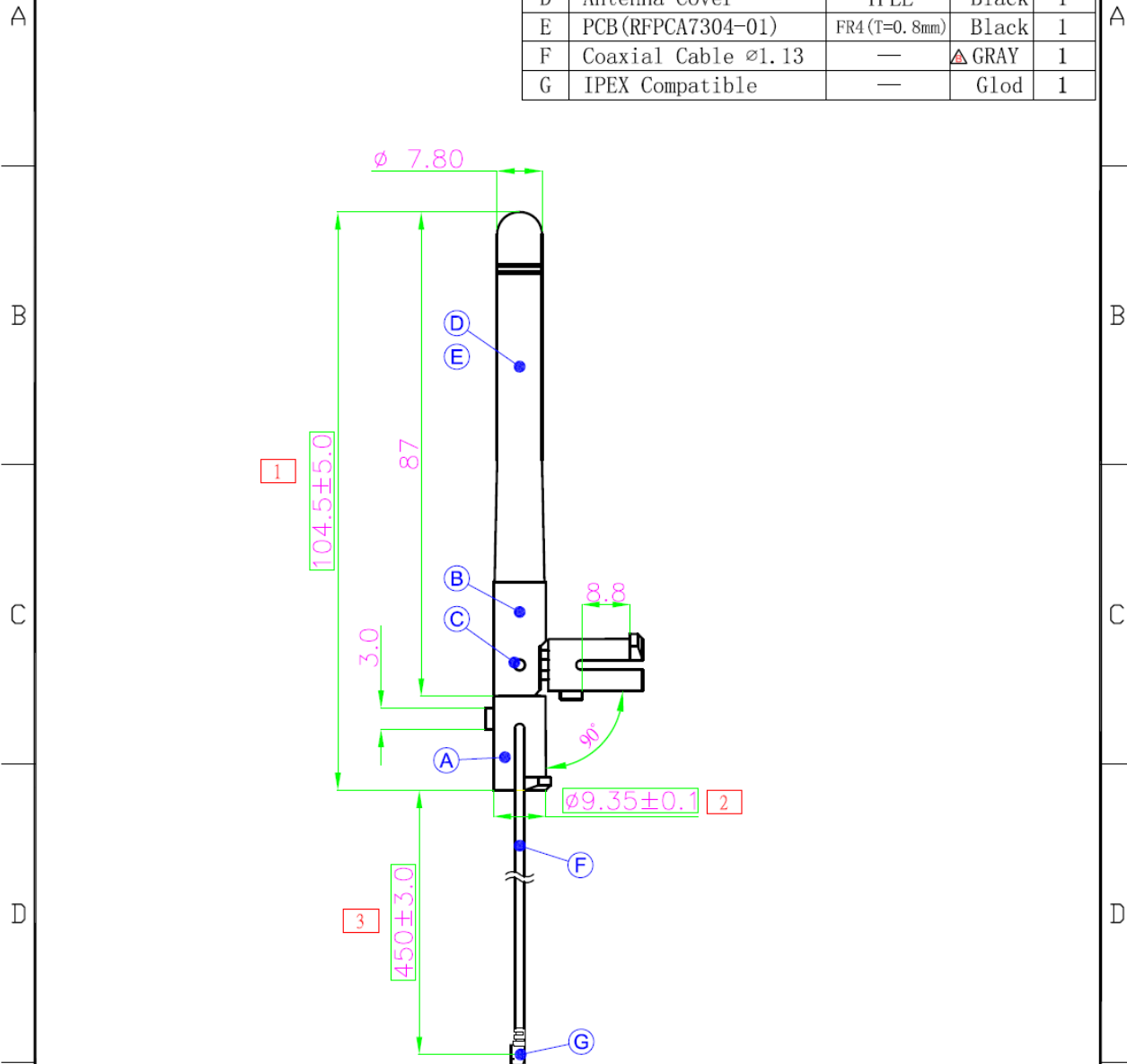
RF	DPA	8709	45	I	M	B	B	3	01
Type Code	Product Code	Dipole Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 8709 Length 87mm, Width 9.4mm	2 digits for cable length e.g.: 45 Cable Length:45cm	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: 5 GHz 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 T:LTE band W: WCDMA band	B: MP T:During Test X: Pile Run	0:None 1: $\phi$ 0.81 3: $\phi$ 1.13 6:RG316 7: $\phi$ 1.37 8:RG178	01~99 series number

DIMENSIONS

**ELECTRICAL**

Frequency: 840 ~ 868 MHz

No.	DESCRIPTION	MAT'L	Color	Q'TY
A	Antenna Down Base	PC+PBT	Black	1
B	Antenna Up Base	PC	Black	1
C	Rivet	POM	Black	2
D	Antenna Cover	TPEE	Black	1
E	PCB (RFPCA7304-01)	FR4 (T=0.8mm)	Black	1
F	Coaxial Cable $\phi 1.13$	—	GRAY	1
G	IPEX Compatible	—	Glod	1



※標記□記號者, 為重點檢驗尺寸

		設計 DR.	HWCHAN	2016.04.29	品名	版本 REV.
		核准 APP.	Marco		ARTICLE	B
△ 變更線材顏色BLACK改GRAY LTR DESCRIPTION DATE REQ. BY		2016.05.24	SHLEE	容許公差 TOLERANCE 6以下.....±0.2 6以上~30.....±0.5 30以上~120.....±0.8 120以上~315.....±1.2 315以上~1000.....±2.0 1000以上~2000.....±3.0		
PSA 華新科技股份有限公司 Walsin Technology Corporation				RFDPA870945IMBB301 單位 UNIT 比例 SCALE 張數 SHEET mm **** 1		