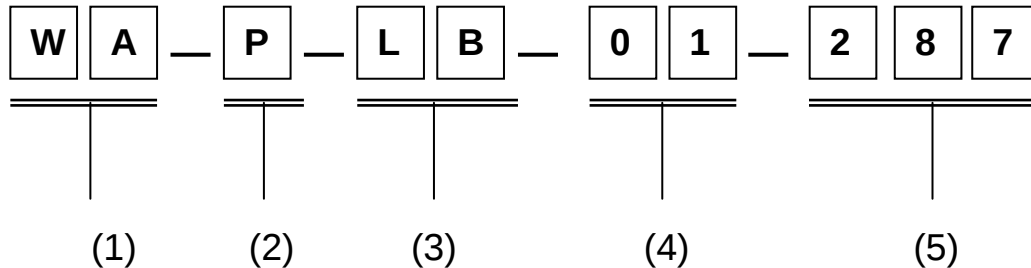


Embedded Dual-Band Antenna for WA-P-LB-01-287

1. Explanation of part number :



- (1) Product Type : Wireless Antenna
 (2) Material : PCB
 (3) Frequency : 2400-2500 、 5150-5850 MHz
 (4) Coaxial Cable Type : White Cable
 (5) Suffix : 287

2. Electrical Specification :

Those specifications were specially defined for **IDL755** model **Dual-Band Antenna**, and all characteristics were measured under the model's handset testing jig.

2-1. Frequency Band :

Frequency Band	MHz
WiFi	2400-2500 、 5150-5850 MHz

2-2. Impedance :

50 ohm nominal

2-3. Matching circuit :

None

UNLESS OTHER SPECIFIED TOLERANCES ON :
 X = N/A X.X = N/A X.XX = N/A
 ANGLES = N/A HOLEDIA = N/A



INPAQ TECHNOLOGY CO., LTD.

SCALE : N/A

UNIT : mm

DRAWN BY : 涂正憲

CHECKED BY : 鄭榮謀

DESIGNED BY : 黃健育

APPROVED BY : 謝立庭

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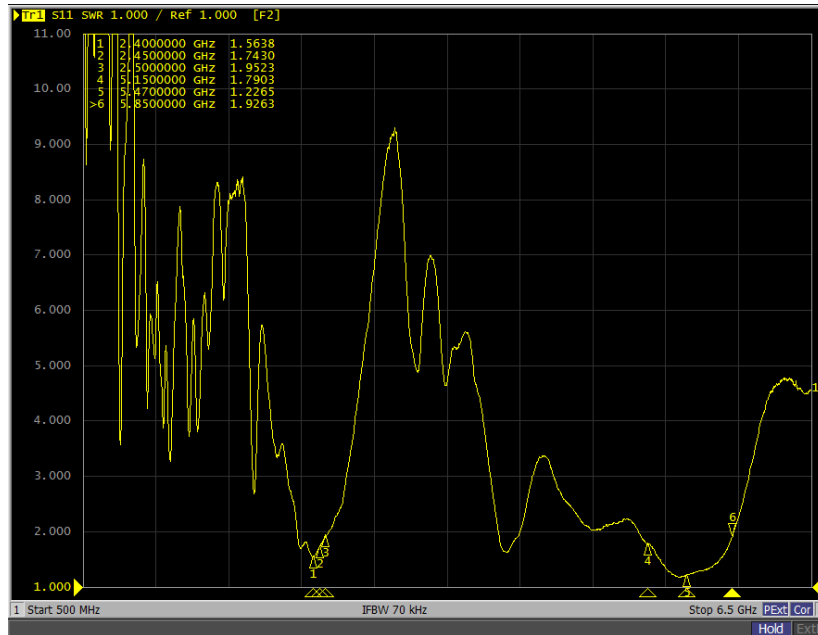
TITLE : Embedded Dual-Band Antenna for
WA-P-LB-01-287

DOCUMENT
NO.

ENS000156280

SPEC REV.
P1

2-4. VSWR :



2-5. Efficiency :

Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	55.08	3.01
2450	53.33	3.41
2500	55.08	3.41
5150	55.72	4.40
5250	56.62	4.17
5350	60.81	4.32
5470	62.09	4.21
5600	59.98	4.32
5725	61.38	4.15
5785	62.52	4.18
5850	57.94	3.71

UNLESS OTHER SPECIFIED TOLERANCES ON :
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 WA-P-LB-01-287

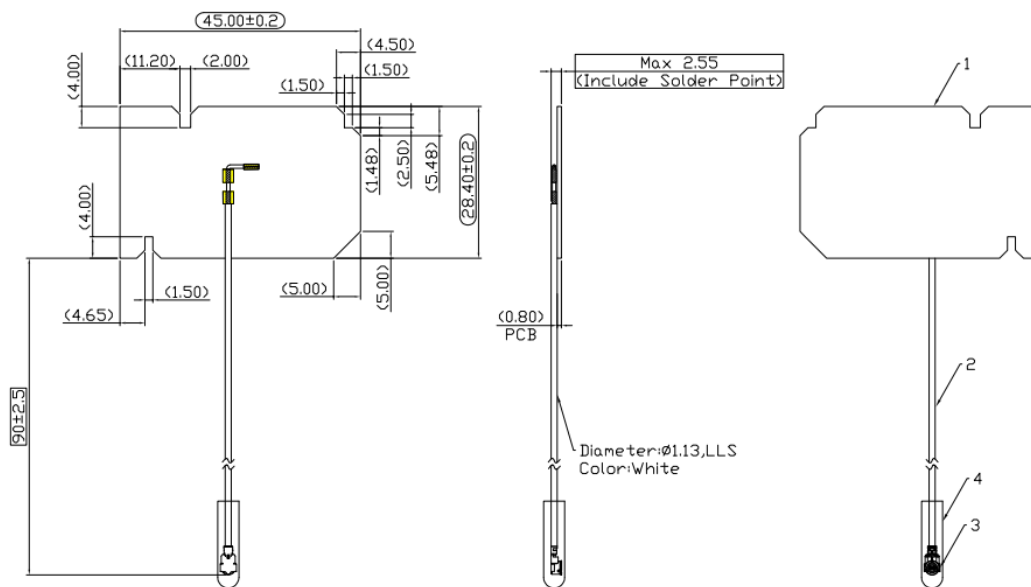
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3. Antenna Drawing :

The appearance of the antenna is according to drawing Figure . 3-1-1



NOTE:

- 外觀標準:需完整無破損,不可有變形、髒污、毛邊、翹曲、裂縫、褶疊等情形。
Appearance standard : They must be complete. It means those must not have the deformations, dirt, burrs, warps, cracks, folds, etc.
- 工程圖上'□'號為重點尺寸標註指示
Mark '□' are the key dimensions.
- 工程圖上'○'號為Cpk量測尺寸標註指示
Mark '○' are CPK dimensions.
- QC&FQC 只需量測重點尺寸&CPK
CPK&KEY dimensions for QC&FQC.

Drawing Rev.P0

Figure 3-1-1.

ITEM	DESCRIPTION	MATERIAL SPECIFICATION	QUANTITY	UNIT	SUPPLIER	UL NO.
1	PCB	L45*W28.4*T0.8mm	1	PCS	N/A	N/A
2	Cable	1.13LLS,White	1	PCS	HA0008	E318898
3	Tube	Transparent	1	PCS	HA0059	N/A
4	Connector	IPEX MHF I-PEX Equivalent(compatible)	1	PCS	HA0063	E213445

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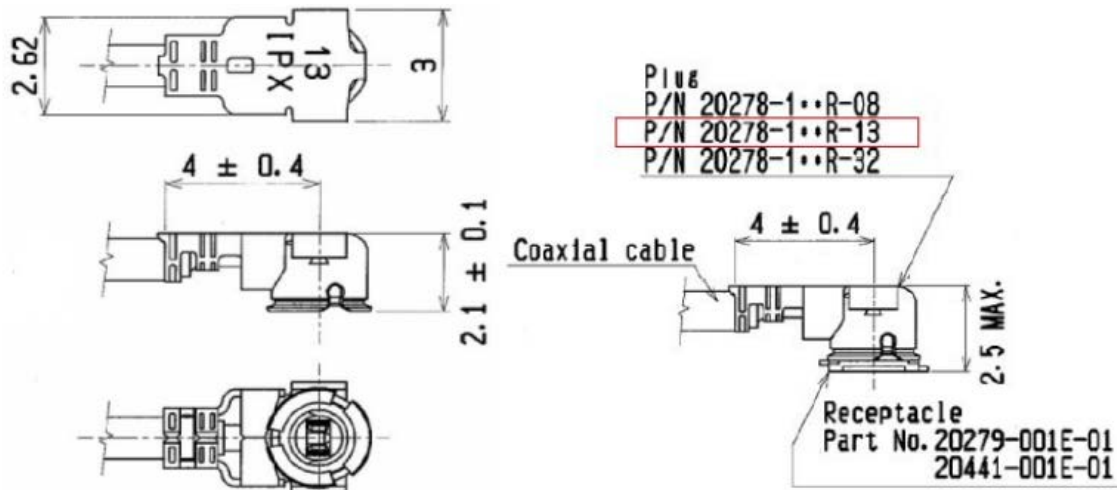
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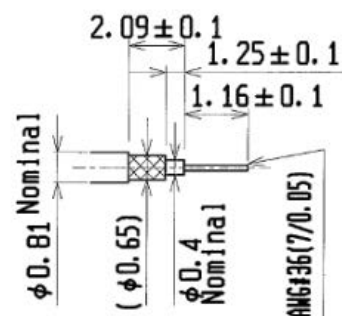
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P1

4. Connector Specification :



1. Material

- (1) Housing : PBT , UL94V-0
- (2) Contact
phosphor bronze
gold plating $0.1\mu\text{m}$ MIN.
over nickel $1.27\mu\text{m}$ MIN.
- (3) Ground contact
phosphor bronze
gold plating $0.05\mu\text{m}$ MIN.
over nickel $1.27\mu\text{m}$ MIN.



UNLESS OTHER SPECIFIED TOLERANCES ON :
 X = N/A X.X = N/A X.XX = N/A
 ANGLES = N/A HOLEDIA = N/A



INPAQ TECHNOLOGY CO., LTD.

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SPEC REV.
P1