

承 認 書
SPECIFICATION FOR APPROVAL

客 戶
CUSTOMER

Hansong(NanJing)Technology Ltd

日 期
DATE

2016-08-08

品 名
DESCRIPTION

Antenna

客 戶 料 號
CUSTOMER P/N

45-2-000242

成 品 編 號
Model No

RC12WFI0251A2

Suzhou point positive electronic technology co.,ltd

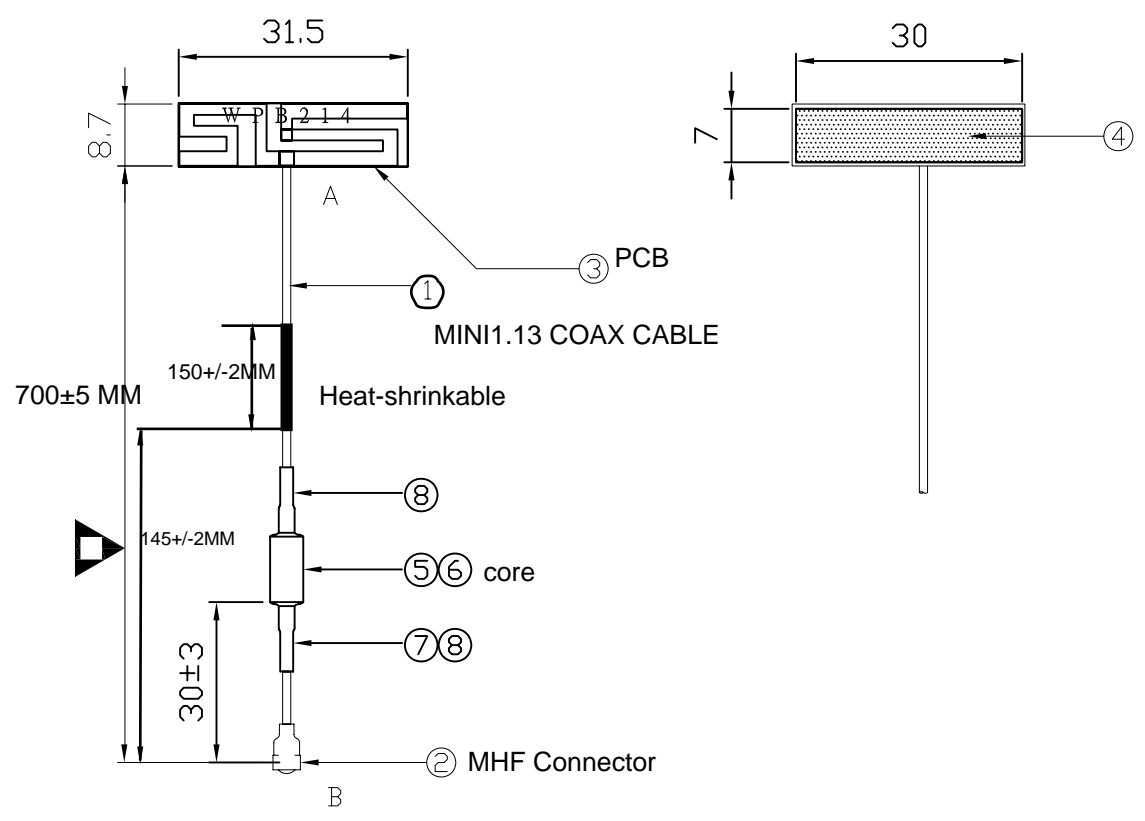
ADD ;No 3 XinLang Road ,Yinghu industrial Park, Wangting Town
Xiangcheng district Suzhou City
E_mail; sales@ppteco.com

TEL : 0512--66706846 FAX : 0512-65088773

SPECIFICATION

- | | |
|-------------------------------|----------------------------------|
| 1. Description | : ANTENNA |
| 2. Customer | : Hansong(Nanjing)Technology Ltd |
| 3. Model No. | : RC12WFI0251A2 |
| 4. Part No. | : 45-2-000242 |
| 5. Standard | : WLAN |
| 6. Antenna Profile | : PCB ANTENNA |
| 7. Lead Length | : 700MM |
| 8. Electrical Characteristics | |
| Operating Frequency | : 2.4--5.8Ghz |
| GAIN | : 0DBi |
| Impedance | : 50 |
| 9. Mechanical Characteristics | |
| Connector | : MHF |
| Core | : 4*10*2MM |
| 10. Raw Material | |
| Coaxial Cable | : MINI1.13 |

△					
△					
△					



Test : Network analyzer test 100% G9000

8	TUBE	WR	Heat-Shrinkable		2
7	TUBE	WR	Heat-Shrinkable		1
6	TUBE	WR	Heat-Shrinkable		1
5	CORE	KX	CORE 4*10*2MM		1
4	G9000	BS	G9000 7*30MM		1
3	PCB	CH	WPB214		1
2	CON	CCT	MHF-13-CON		1
1	CABLE	YD	MINI 1.13 GREY COAXIAL		1
NO.	Name	Vendor	SPEC	切斷尺寸 & 備註	用量

第3角法	圖面不用實測				部品番號	45-2-000242		
單位: mm	作成	檢圖	確認	核准	品名	Antenna 2.4/5.8G L:700MM		
比例: FREE	AleI	Hellen	Roy	David	产品分类	<input checked="" type="checkbox"/> A成品	<input type="checkbox"/> B半成品	<input type="checkbox"/> C样品
2016-08-08					公司番號	RC12WFI0251A2		

OUTLINES UMMARY

- Test Environment and Equipment
- Test Data of Antenna:

Test Result : Efficiency & Peak Gain

Test Result : 3D Radiation Pattern Test

TEST ENVIRONMENT AND EQUIPMENTS

The Gain, Efficiency, Directivity and 3D Pattern

Shanghai EM-Testing Co., Ltd.
<https://www.em-testing.com/>

Frequency Range :

WLAN 802.11 a/b/g: 2.40~2.50 & 5.125~5.85 GHz
Bluetooth : 2.4~2.5GHz

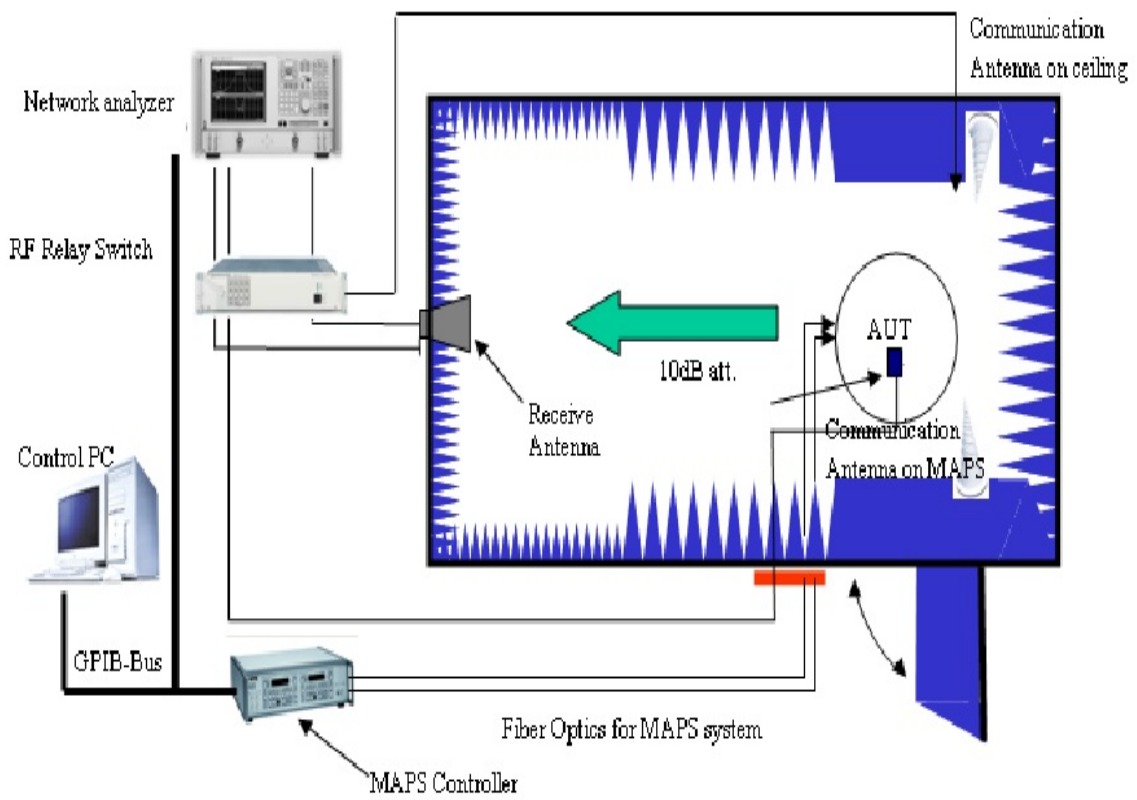
Radiation Pattern Test System :

Taet Laboratory:

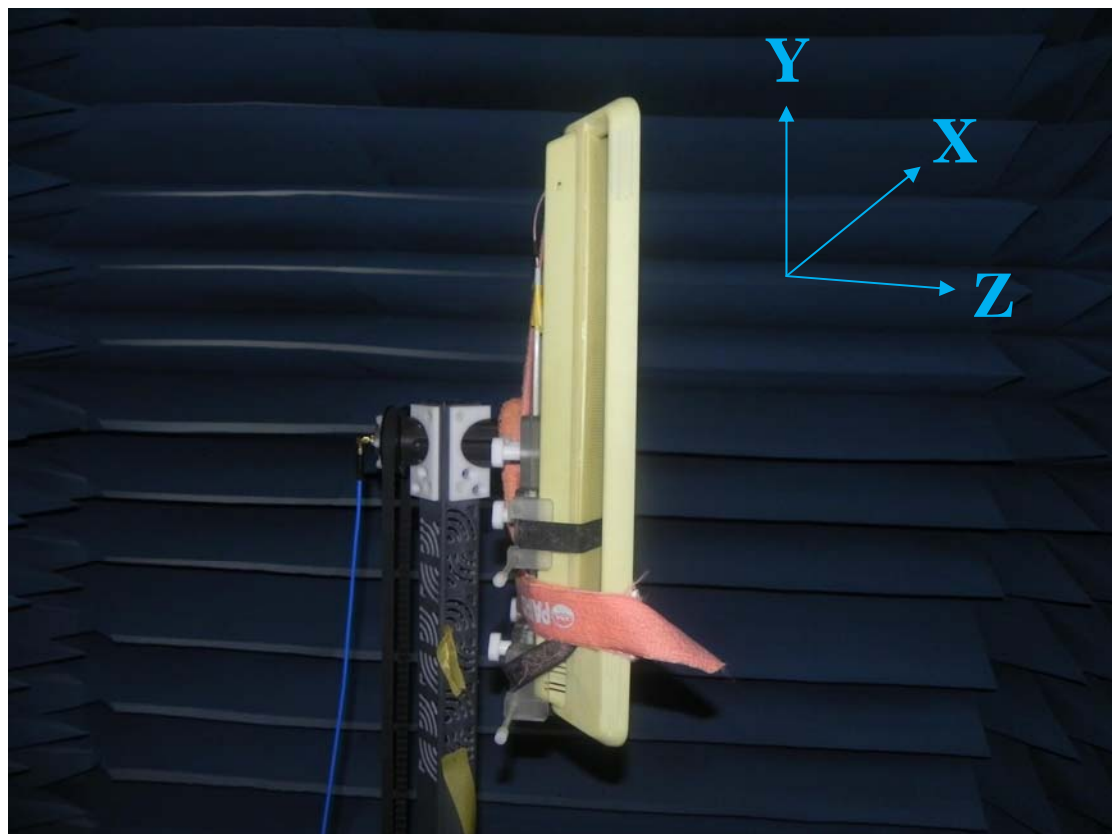
Name: **suzhou Laboratory**

Address: No.99 Hongye RD. Suzhou Industrial Park Loufeng Hi-New-Tech
Development Area, Suzhou, China

The test results relate only to the samples tested.

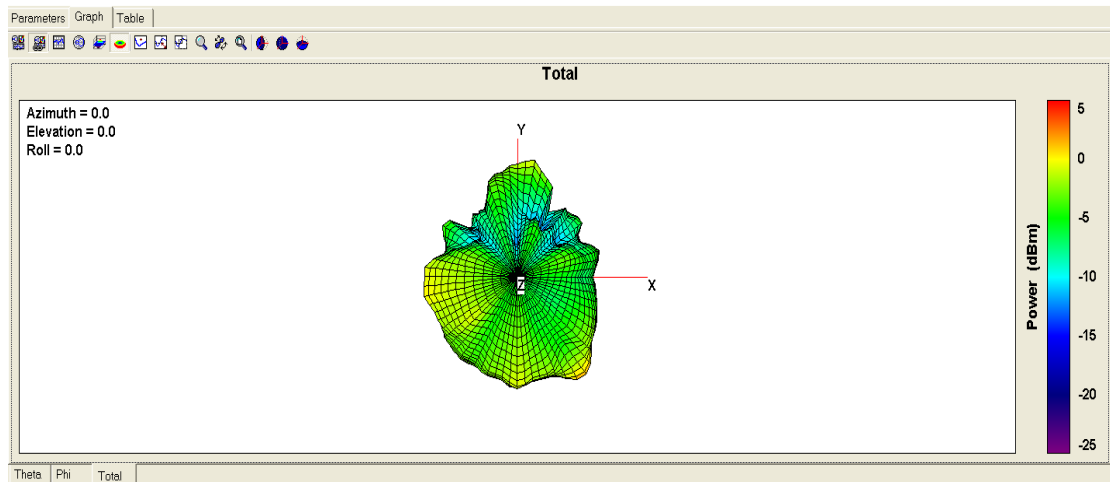


COORDINATE OF STRUCTURE:

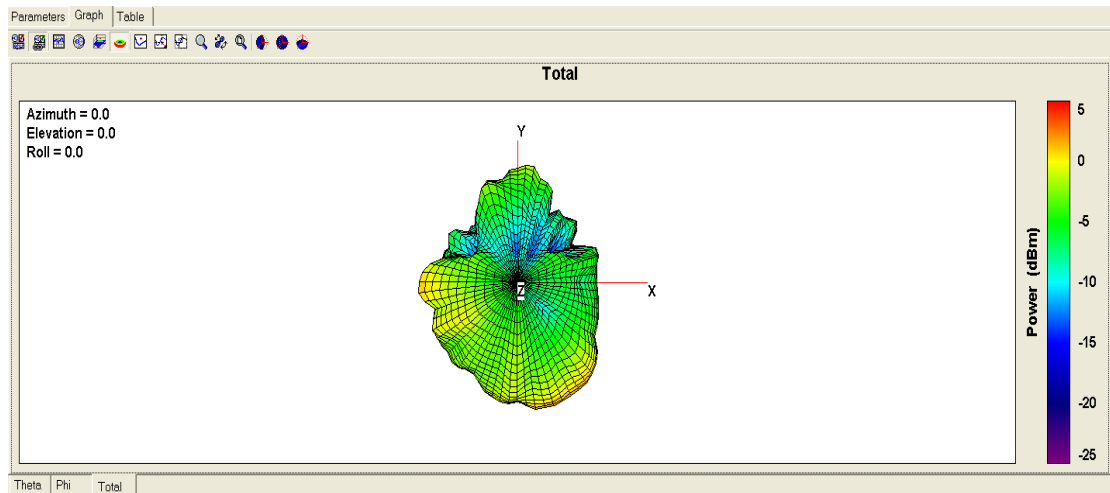


RADIATION PATTERN

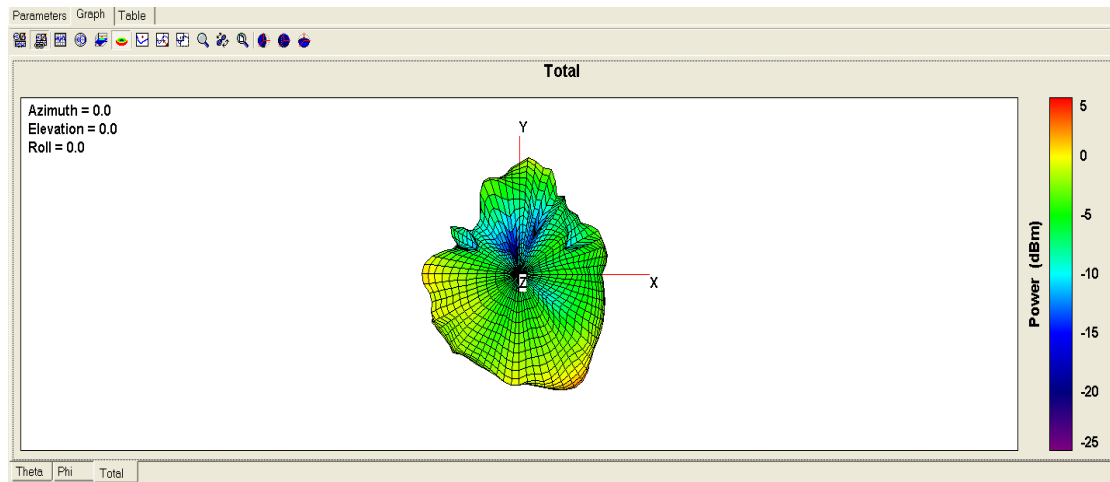
2.4G



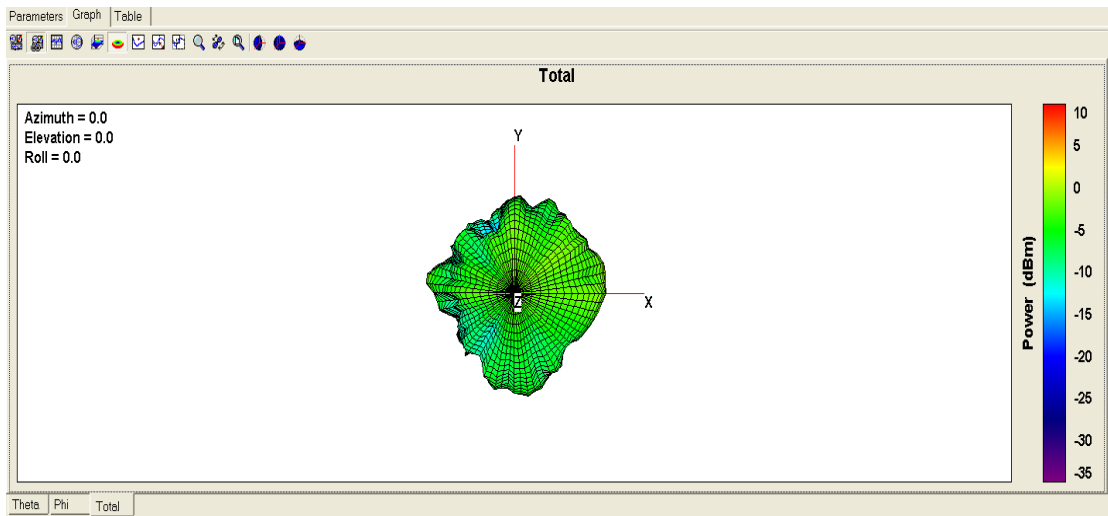
2.45G



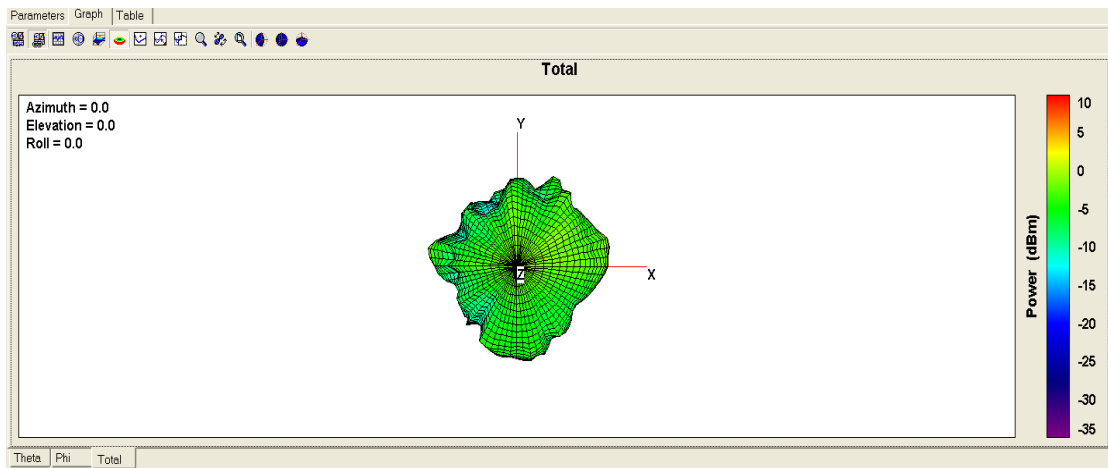
2.5G



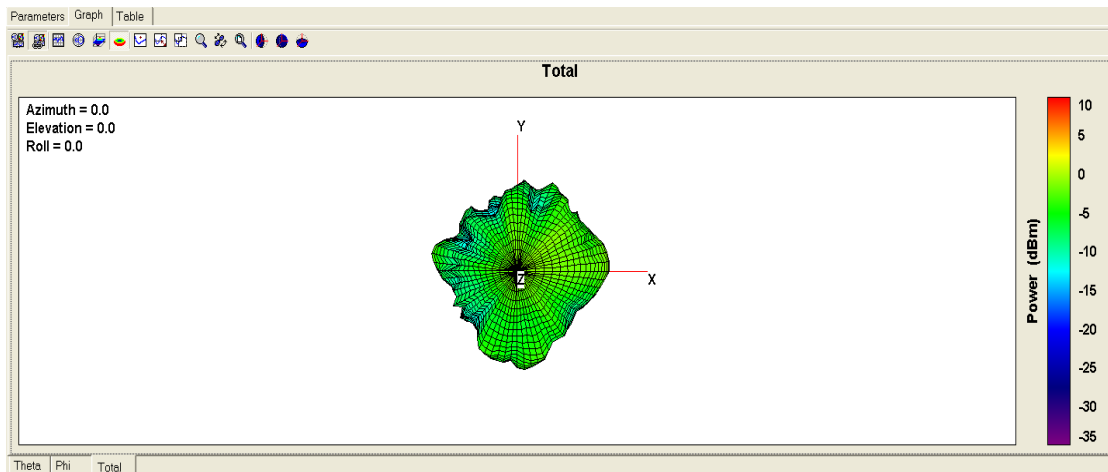
5.15G



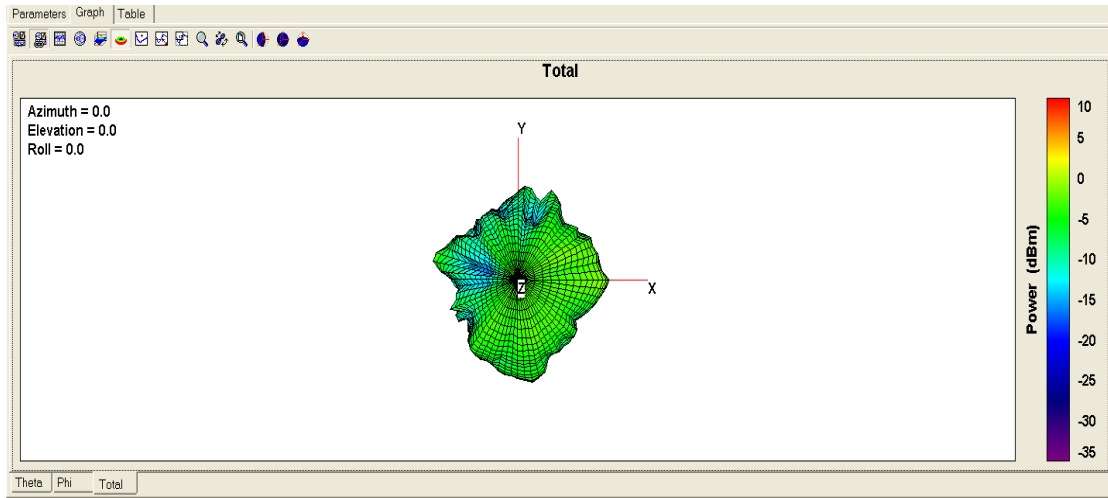
5.25G



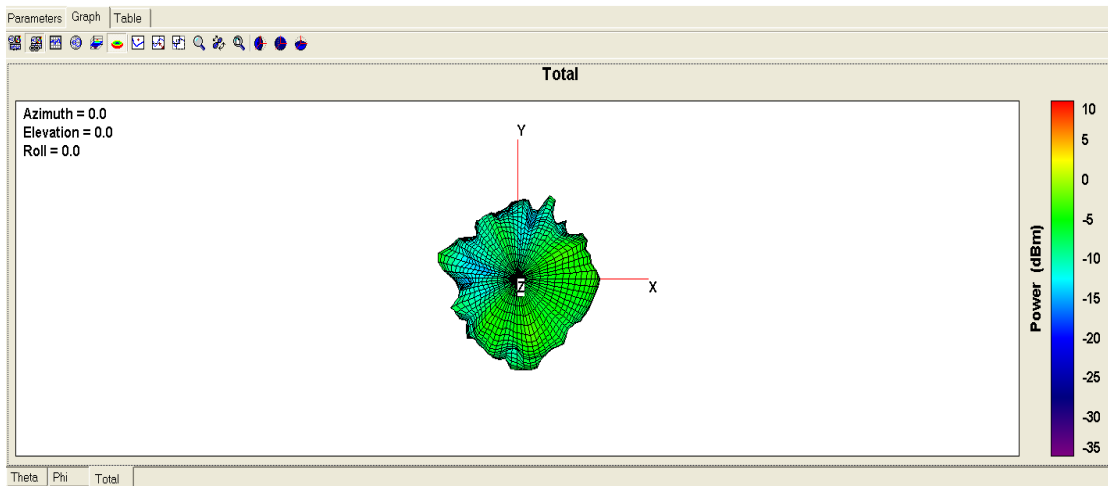
5.35G



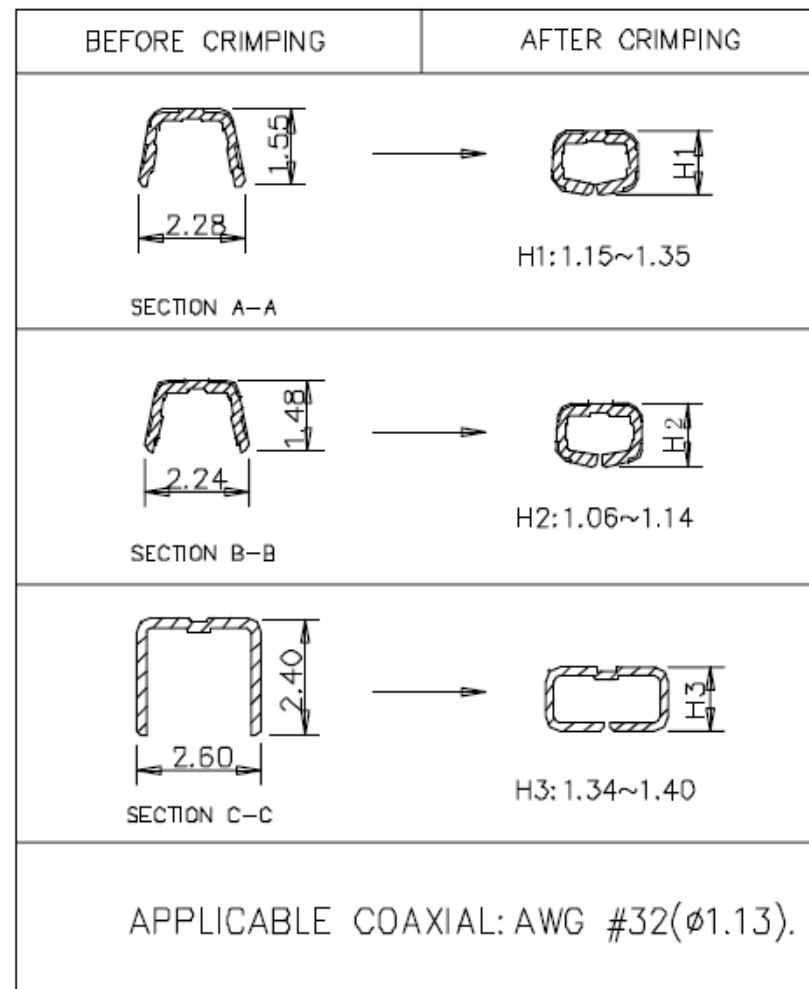
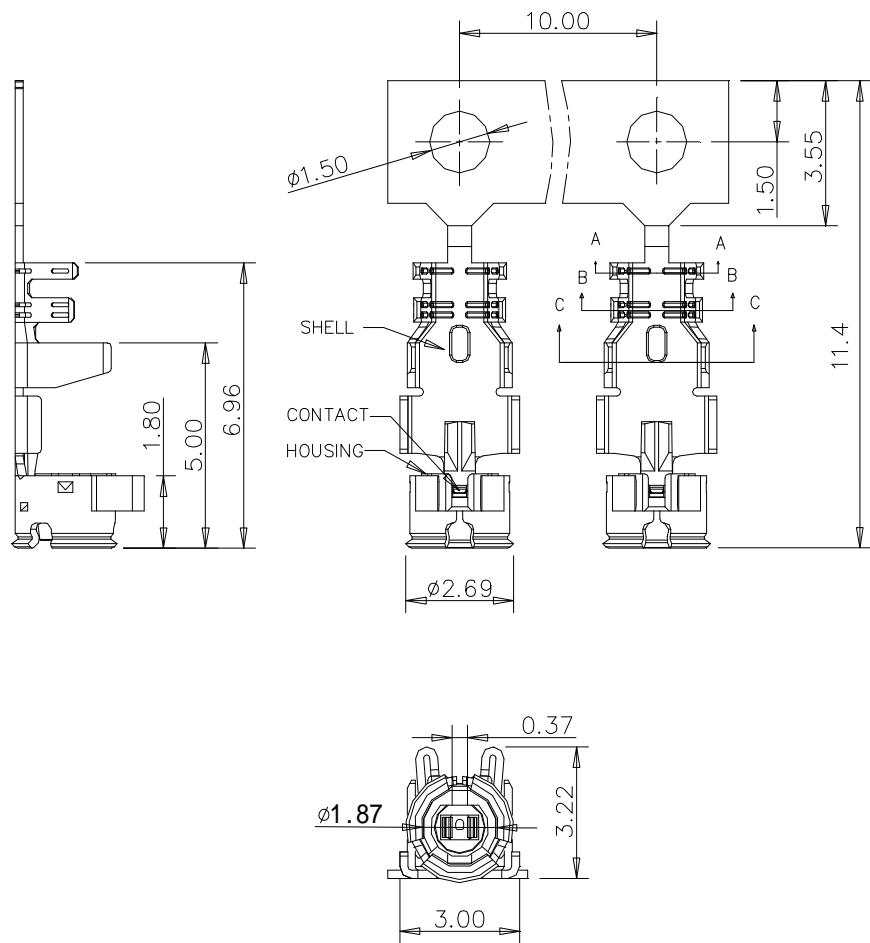
5.725G



5.85G

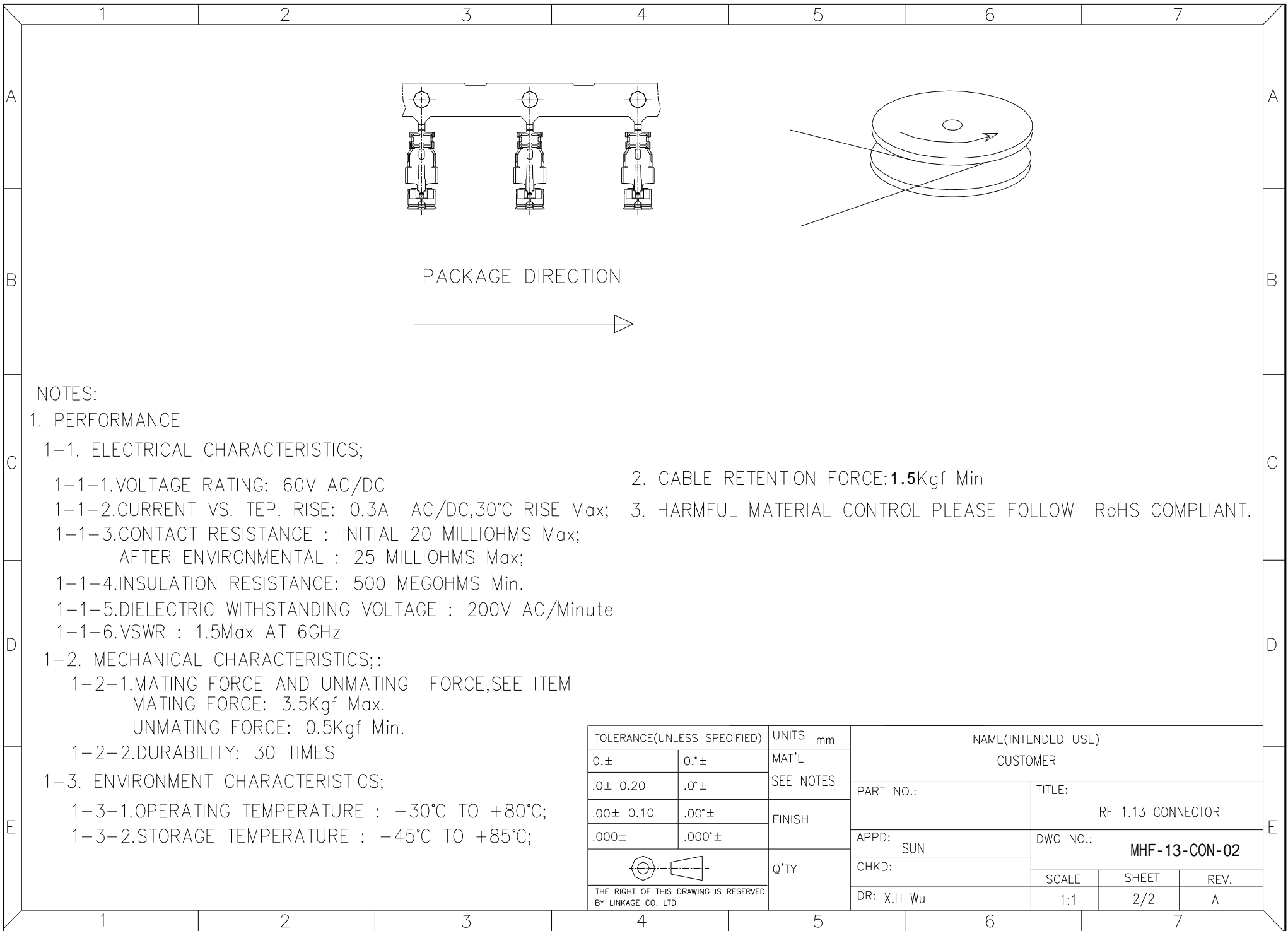


Frequency (MHz)	Gain (dB)
2400	-0.151
2450	-0.1396
2460	-0.3027
2500	-0.9174
5150	-0.7022
5200	-0.9929
5450	-0.9742
5500	-0.5683
5750	-0.4824
5850	-0.4305



3	SHELL	COPPER ALLOY	GOLD PLATED OVER NI
2	CONTACT	COPPER ALLOY	GOLD PLATED OVER NI
1	HOUSING	PA66	UL94-0
NO	NAME	MATERIAL	DESCRIPTION

UNITS: mm		PART NO.: ABR-CAB-047-001	NAME: RF 1.13 CONNECTOR	
X.±	X°±	APPD: Ding Liu	DWG NO.: MHF-13-CON-02	
.X±0.2	.X°±	CHKD: Hai Hu	SCALE	SHEET
.XX±0.10	.XX°±	DR: L. L. Wei	NONE	1/1
.XXX±	.XXX°±		REV.	A0



NOTES:

1. PERFORMANCE

1-1. ELECTRICAL CHARACTERISTICS;

- 1-1-1.VOLTAGE RATING: 60V AC/DC
- 1-1-2.CURRENT VS. TEP. RISE: 0.3A AC/DC,30°C RISE Max;
- 1-1-3.CONTACT RESISTANCE : INITIAL 20 MILLIOHMS Max;
AFTER ENVIRONMENTAL : 25 MILLIOHMS Max;
- 1-1-4.INSULATION RESISTANCE: 500 MEGOHMS Min.
- 1-1-5.DIELECTRIC WITHSTANDING VOLTAGE : 200V AC/Minute
- 1-1-6.VSWR : 1.5Max AT 6GHz

2. CABLE RETENTION FORCE:**1.5Kgf** Min

3. HARMFUL MATERIAL CONTROL PLEASE FOLLOW RoHS COMPLIANT.

1-2. MECHANICAL CHARACTERISTICS;:

- 1-2-1.MATING FORCE AND UNMATING FORCE,SEE ITEM
MATING FORCE: 3.5Kgf Max.
UNMATING FORCE: 0.5Kgf Min.

1-2-2.DURABILITY: 30 TIMES

1-3. ENVIRONMENT CHARACTERISTICS;

- 1-3-1.OPERATING TEMPERATURE : -30°C TO +80°C;
- 1-3-2.STORAGE TEMPERATURE : -45°C TO +85°C;

TOLERANCE(UNLESS SPECIFIED)		UNITS mm	NAME(INTENDED USE)		
0.±	0.*±	MAT'L	CUSTOMER		
.0± 0.20	.0*±	SEE NOTES	PART NO.:	TITLE:	
.00± 0.10	.00*±	FINISH	APPD: SUN	RF 1.13 CONNECTOR	
.000±	.000*±	Q'TY	CHKD:	DWG NO.:	MHF-13-CON-02
		<small>THE RIGHT OF THIS DRAWING IS RESERVED BY LINKAGE CO. LTD</small>		SCALE	SHEET
				DR: X.H Wu	1:1

江阴市源达电工材料有限公司

JIANGYIN CITY YUANDA ELECTRICAL MATERIAL CO., LTD.

中国江苏省江阴市青阳镇南陈村 邮编 214401

Nachen, Qingyang Town, Jiangyin City 214400, Jiangsu, China

客户/ Customer: 点正电子

客户料号/ Customer P/N: _____

规格书

Specification

50 Ω (FEP) 绝缘射频电缆

50 Ω FEP Insulated Coaxial Cable

YD113 系列

YD113 SERIES

编制/ Signed by: lai cool

编制日期/ Date: 25th November 2010

江阴市源达电工材料有限公司

JIANGYIN CITY YUANDA ELECTRICAL MATERIAL CO., LTD.

中国江苏省江阴市青阳镇南陈村 邮编 214401
Nachen, Qingyang Town, Jiangyin City 214400, Jiangsu, China

1. 适用范围:

Scope

本规格书制定了 50 Ω FEP 绝缘射频电缆 YD113 系列的结构和电气特性。

This specification covers the construction and the electrical properties of YD113 series of 50 Ω FEP Insulation Coaxial Cable.

2. 结构/Construction:

单位/Unit:mm

项目/Item	详细资料/Details
导体/Conductor	材料/Material 镀锡铜线/Tinned Copper Wire
	构成(根/mm) Composition (No. /mm) 7/0.083
	标称直径/NOM. O. D 0.24±0.03
绝缘层 /Insulation	材料/Material 聚全氟乙丙烯(自然色) /FEP(Natural)
	标称绝缘厚度/Nom. Thick. (mm) 0.23
	标称外径/NOM. O. D 0.695±0.03
屏蔽层/Shield	材料/Material 镀锡铜线/Tinned annealed copper wire
	构成/Composition 0.05单线编织/Single Braid of 0.05
护套/Jacket	材料/Material 聚全氟乙丙烯/FEP
	标称护套厚度/ Nom. Thick (mm) 0.10
	标称外径/Nom. O. D (mm) 1.13±0.05
	颜色/Color 按与客户确认的颜色/According to corresponding have approved by the suppliers and customers

3. 电气特性(20℃时)/Electrical Properties(at 20℃)

项目/Item	单位/Unit	详细资料/Details
导体电阻/Conductor Resistance	Ω/km	Max. 560
绝缘电阻/Insulation Resistance	MΩ.km	Min. 200
耐压强度/Dielectric Strength	V(AC)/min	1000
静电容/Capacitance	pF/m	98
特性阻抗 /Characteristic Impedance	Ω	50±2.0

江阴市源达电工材料有限公司

JIANGYIN CITY YUANDA ELECTRICAL MATERIAL CO., LTD.

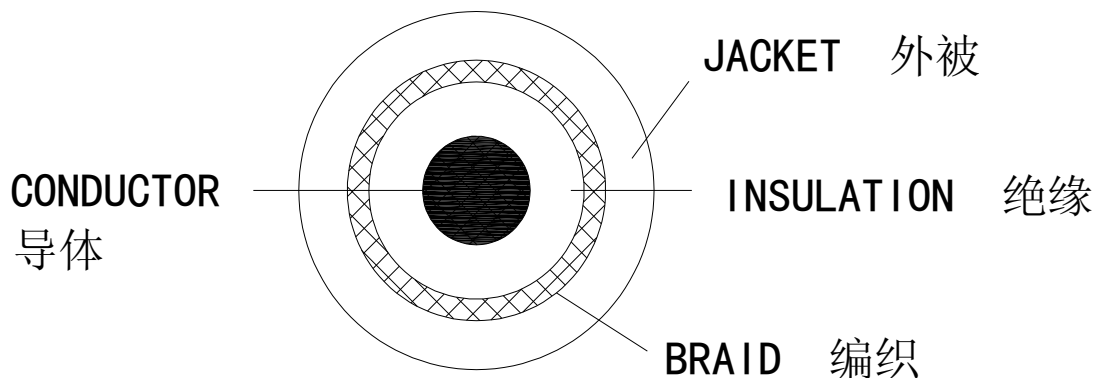
中国江苏省江阴市青阳镇南陈村 邮编 214401
Nachen, Qingyang Town, Jiangyin City 214400, Jiangsu, China

衰减/Attenuation	dB/m	1GHz	2.20
		2GHz	3.15
		3GHz	3.90
		4GHz	4.60
		5GHz	5.20
		6GHz	5.70
驻波比/Standing wave (0-6GHz)	/	≤1.35	

4. 包装 Packing

标准单位包装长度为 1000 米/盘, 每盘最多允许 5 个接头, 接头最短长度 20 米, 在搬运过程中不能损坏包装.

Standard unit length of finished cable shall be 1000m on reel, frequency of joint max.5/reel, the mini length is 20m. The finished cable shall be packed not be damaged during transportation



本产品有时不适合车载用途的情况也有,所以使用前请先和本公司业务部门进行商谈.
This product is not suitable for automobile application in some cases. Please contact with our sales department before you use this product.

规格书完
End of specification