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承认书 APPROVAL

版本: A1

客 户
CUSTOMER:

品 名 规 格
DESCRIPTION: **2.4G 刀锋天线白色出线 350mm**

料 号
PART NO.: **YS030-0103**

客 户 料 号
CUS PART NO.:

日 期
D A T E: **2021-9-4**

呈样签章:

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	业 务 SALES DEPARTMENT

客户承认签章 :

工 程 ENGINEERING DEPARTMENT	品 保 Q C DEPARTMENT	采 购 PURCHASING DEPARTMENT

※ 客户确认样品附意栏:

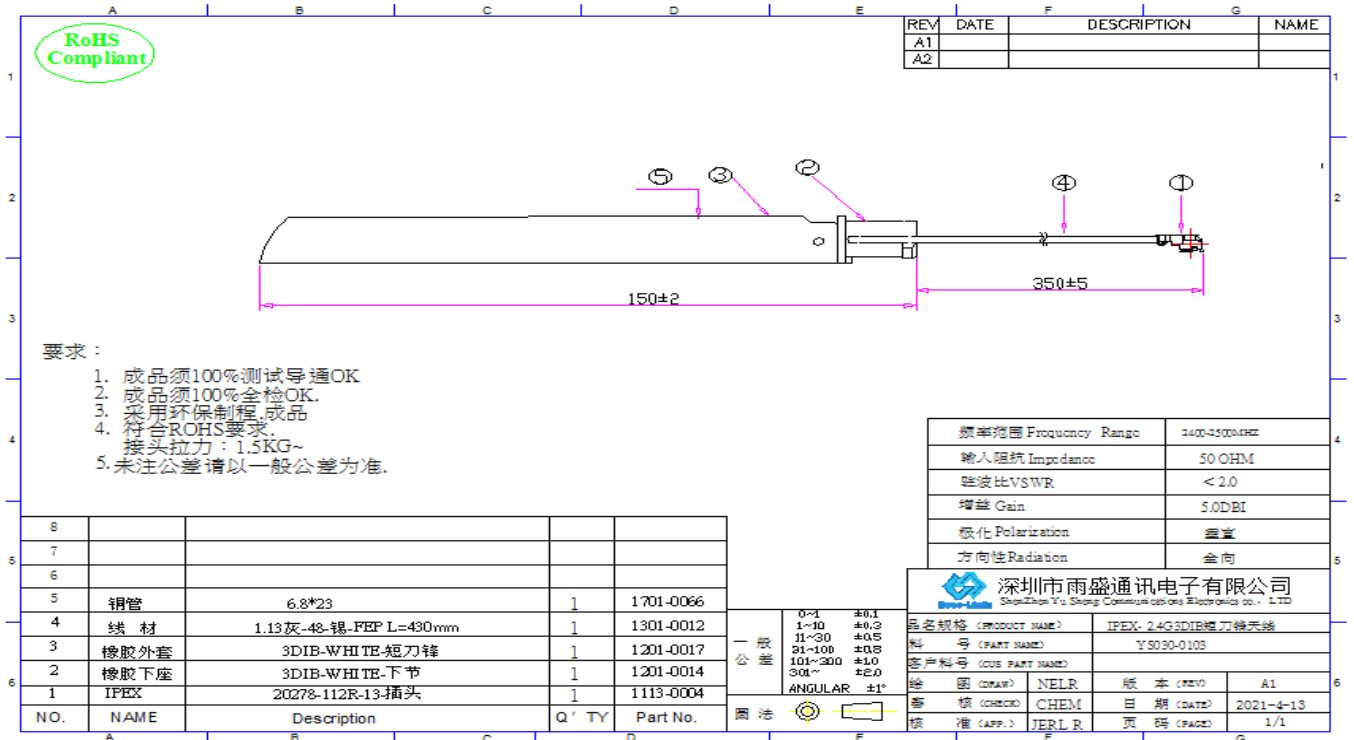
电器技术参数

电性能指标		Electrical Specifications	
频率范围	2400-2500MHZ	Frequency Range	2400-2500MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	3.28DBI	GAIN	3.28DBI
输入阻抗	50 Ω	Input Impedance	50 Ω
机械指标		Mechanical Specifications	
天线颜色	白色	Antenna Color	WHITE
接口形式	IPEX	Input connector	IPEX
天线长度	150mm	Cable length	150mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

产品图片:



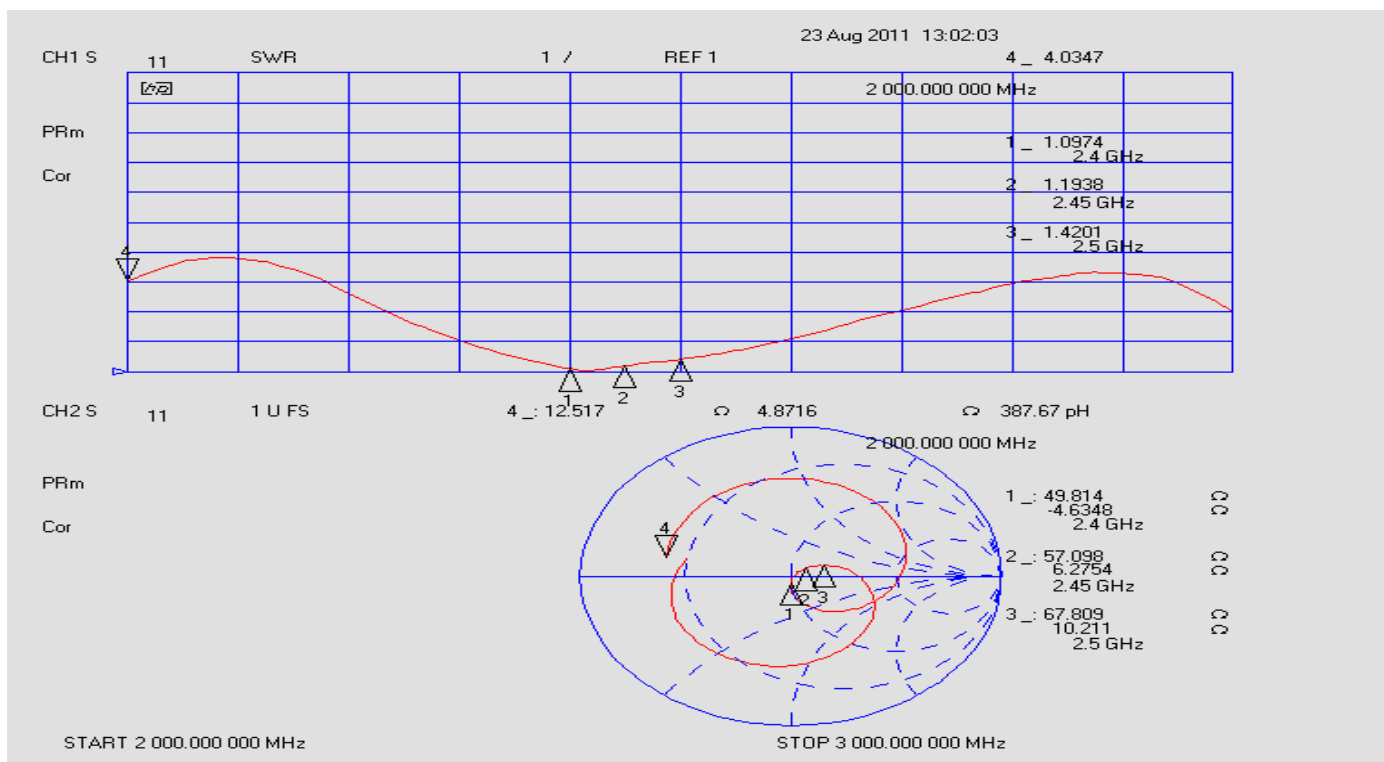
产品规格图:



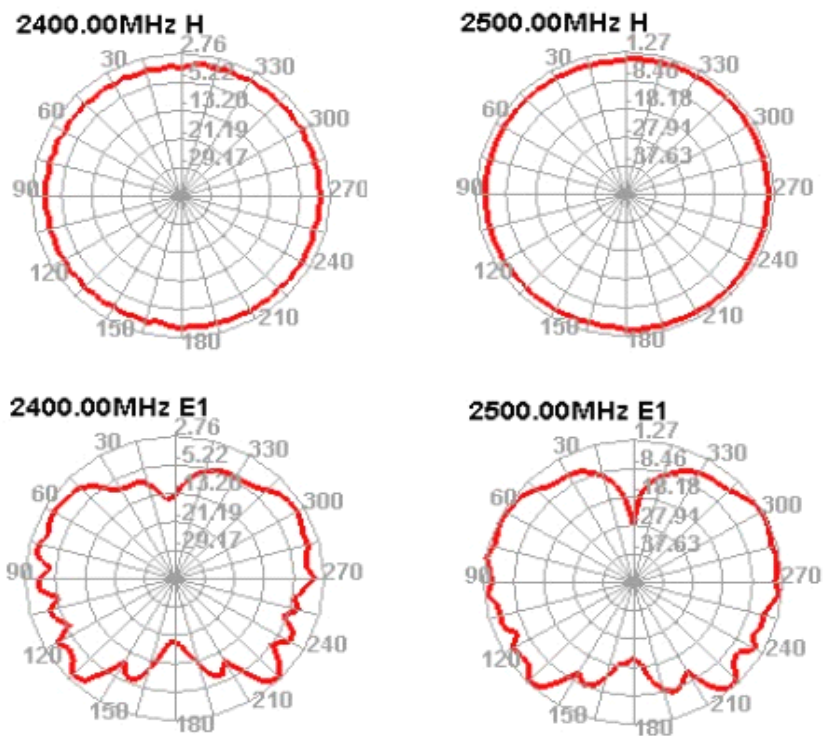
Environmental performance test :

project	Test conditions	specifications
Storage environment	Test temperature, humidity, and air pressure without specifying the following: 1. The temperature ranges from -30°C to +8 2. Relative humidity is 45%-8 3. The air pressure is 86kpa-106k	Electrical and mechanical properties are normal
High and low temperature test	Five cycles were performed between 70°C and 40°C, and then under normal conditions 1 to 2 hours, check the appearance quality.	The dimensions shall meet the requirements and shall meet the requirements Mechanical and electrical properties
Constant heat and humidity test	The relative humidity was 95±3%, and the test temperature was 40°C. After 2H treatment, the electrical properties were measured within 5min after the samples were taken out, and the appearance quality of the samples was checked under normal conditions for 1-2H	The dimensions shall meet the requirements and shall meet the requirements Mechanical and electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycle: 30 times	Electrical and mechanical properties are normal
Drop off test	1M altitude in accordance with the vertical axis of the direction of free fall three times	Electrical and mechanical properties are normal

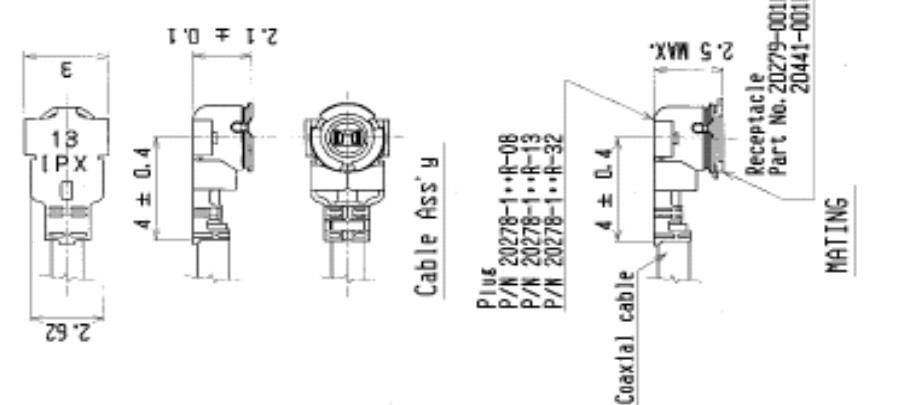
Network analysis test:



方向图:



Material Data Sheet MHF Connector

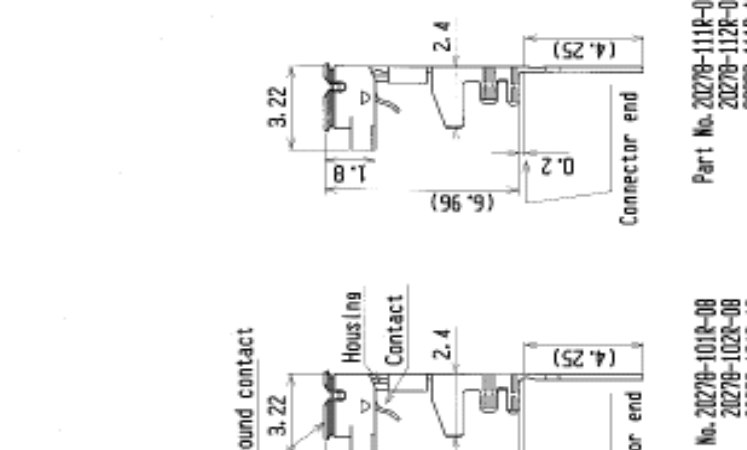


Cable Assy
Plus
P/N 20278-10R-08
P/N 20278-10R-13
P/N 20278-10R-32

Coaxial cable
2.5 MAX.
Receptacle
Part No. 20279-001E-01
20441-001E-01

MATING

DESIGN D BY	K. Ohbayashi	DATE	JUN/13/01
CHK D BY	T.H	DATE	
APP D BY	T.H	DATE	JUN/13/01
REV ECN	BY DATE APP	PROJECTION	CUSTOMER
REV. RECORD			COPY
SERIES No. 2814			



Connector end
Part No. 20278-111R-08
20278-112R-08
20278-111R-13
20278-112R-13
20278-111R-32
20278-112R-32
For seal auto termination machine (without notch)

Connector end (notch)
Part No. 20278-101R-08
20278-102R-08
20278-101R-13
20278-102R-13
20278-101R-32
20278-102R-32
For hand tool (with notch)

DESIGN D BY	K. Ohbayashi	DATE	JUN/13/01
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APP D BY	T.H	DATE	JUN/13/01
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REV. RECORD			COPY
SERIES No. 2814			

GENERAL TOLERANCE

6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

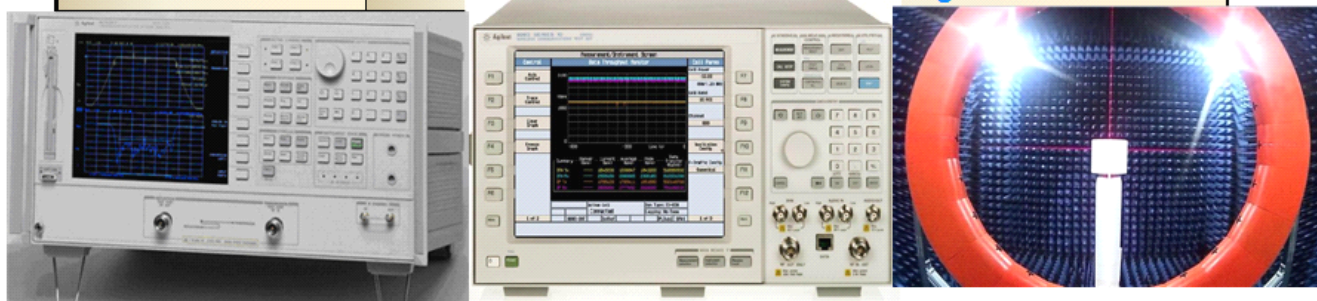
PART NO. 20278-10R-13

FORM REV. 4

Gain test (dBi):

● 测试项目与设备

	测试项目	设备
1. S参数	1. 回波损耗 2. 驻波比	网络分析仪: Agilent E5071B
2. 耦合功率测试	1. 发射功率 2. 接收灵敏度	GSM 测试仪: Agilent 8960 E5515C LTE /WIFI/BT测试仪: R&S CMW500
3. 辐射模式与增益	1. 辐射模式 2. 天线增益	1. 暗室: 8x4x4 m (3D) 2. 网络分析仪 - Agilent E5071B



Frequency / MHz	Efficiency / %	Gain/ dB
2400	62.81	3.03
2450	64.27	3.28
2500	66.53	3.26