



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

TEL: +86 0755-28640107

FAX: +86 0755-28694967

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	品 保	业 务
ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT

客户承认签章 :

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

* 客户确认样品附意栏:



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

TEL: +86 0755-28640107

FAX: +86 0755-28694967

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%

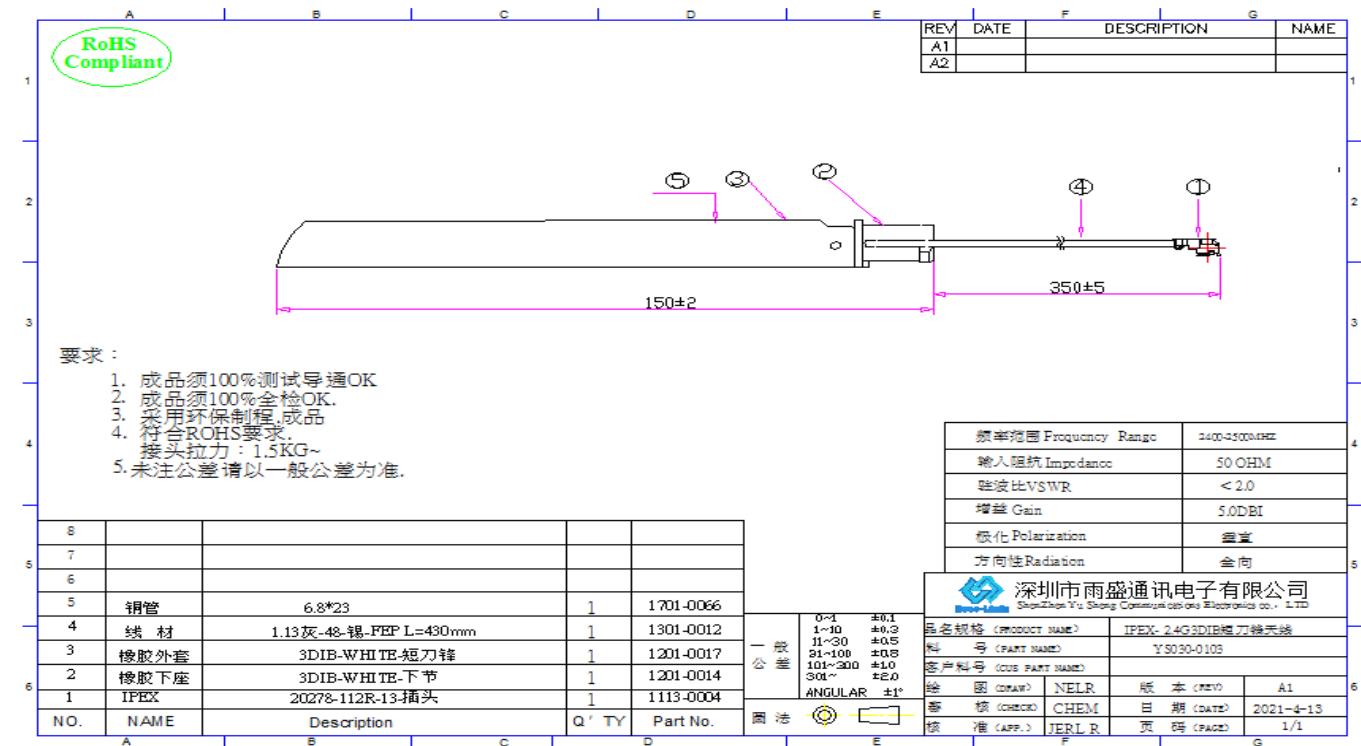
产品图片:



TEL: +86 0755-28640107

FAX: +86 0755-28694967

产品规格图:



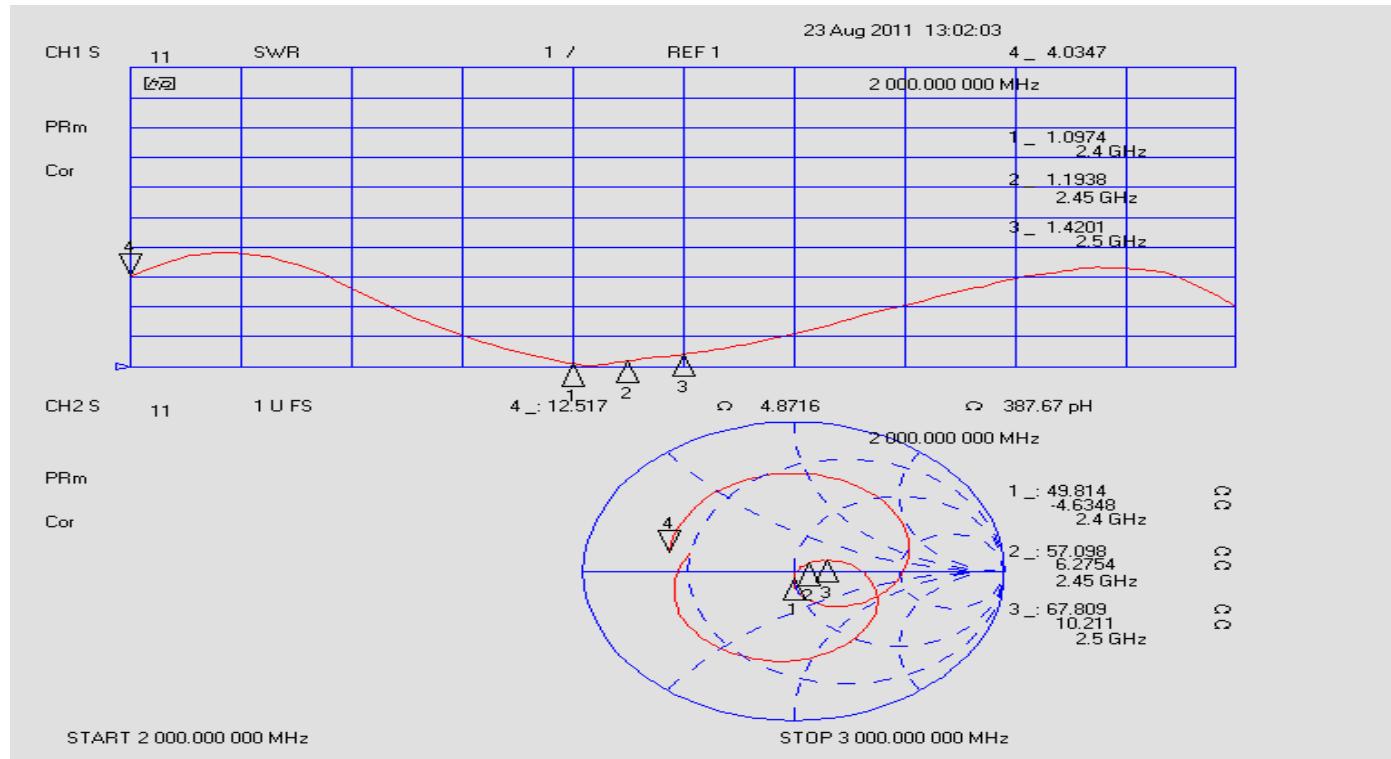
Environmental performance test :

project	Test conditions	specifications
Storage environment	<p>Test temperature, humidity, and air pressure without specifying the following:</p> <ol style="list-style-type: none"> The temperature ranges from -30°C to +8 Relative humidity is 45%-8 The air pressure is 86kpa-106k 	Electrical and mechanical properties are normal
High and low temperature test	<p>Five cycles were performed between 70°C and 40°C, and then under normal conditions 1 to 2 hours, check the appearance quality.</p>	<p>The dimensions shall meet the requirements and shall meet the requirements</p> <p>Mechanical and electrical properties</p>
Constant heat and humidity test	<p>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</p>	<p>The dimensions shall meet the requirements and shall meet the requirements</p> <p>Mechanical and electrical properties</p>
Vibration test	<p>Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycle: 30 times</p>	Electrical and mechanical properties are normal
Drop off test	<p>1M altitude in accordance with the vertical axis of the direction of free fall three times</p>	Electrical and mechanical properties are normal

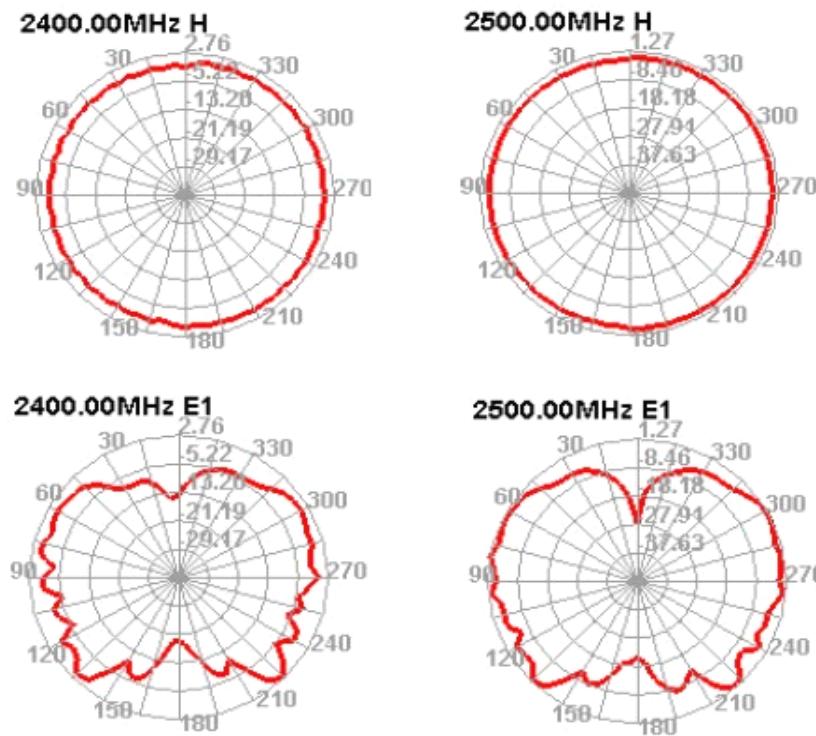
TEL: +86 0755-28640107

FAX: +86 0755-28694967

Network analysis test:



方向图：



TEL: +86 0755-28640107

FAX: +86 0755-28694967

Material Data Sheet

MHF Connector

PART NO. 20278-101-R-1			Cable Ass'y Plus P/N 20278-111R-08 P/N 20278-111R-13 P/N 20278-111R-32	Coaxial cable 4 ± 0.4 2.5 Max	Receptacle Part No. 20279-001E-01 20441-001E-01	NATING																															
	2.1 ± 0.1	4 ± 0.4																																			
	Connector end (notch) 3.22 1.10 2.4 0.2 (4.25) (6.96)		Part No. 20278-111R-08 20278-112R-08 20278-101R-13 20278-112R-13 20278-111R-32 20278-112R-32 For semi auto termination machine (without notch)																																		
	3.22	1.10																																			
	Connector end (notch) 3.22 1.10 2.4 0.2 (4.25) (6.96)		Part No. 20278-101R-08 20278-102R-08 20278-101R-13 20278-112R-13 20278-101R-32 20278-102R-32 For hand tool (with notch)																																		
	3.22	1.10																																			
I-PEX <small>International Pneumatic & Electronic Components Co., Ltd.</small> GENERAL <small>TOKYO, JAPAN</small> <table border="1"> <thead> <tr> <th>ITEM</th> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>Design & BY</td> <td>JUN/13/01</td> <td>1/4 19C</td> </tr> <tr> <td>REV ECN BY DATE APP K. Ohnishi T.H</td> <td>JUN/13/01</td> <td></td> </tr> <tr> <td>REV ECR BY DATE APP K. Katahuchi T.H</td> <td>JUN/13/01</td> <td></td> </tr> <tr> <td>REV RECORD</td> <td>APP</td> <td></td> </tr> <tr> <td>SERIES No. 2814</td> <td>CUSTOMER</td> <td></td> </tr> <tr> <td></td> <td>PRODUCTION</td> <td></td> </tr> <tr> <td></td> <td>QUALITY</td> <td></td> </tr> <tr> <td></td> <td>REVIEW</td> <td></td> </tr> <tr> <td></td> <td>COPY</td> <td></td> </tr> </tbody> </table>								ITEM	DATE	REVISION	Design & BY	JUN/13/01	1/4 19C	REV ECN BY DATE APP K. Ohnishi T.H	JUN/13/01		REV ECR BY DATE APP K. Katahuchi T.H	JUN/13/01		REV RECORD	APP		SERIES No. 2814	CUSTOMER			PRODUCTION			QUALITY			REVIEW			COPY	
ITEM	DATE	REVISION																																			
Design & BY	JUN/13/01	1/4 19C																																			
REV ECN BY DATE APP K. Ohnishi T.H	JUN/13/01																																				
REV ECR BY DATE APP K. Katahuchi T.H	JUN/13/01																																				
REV RECORD	APP																																				
SERIES No. 2814	CUSTOMER																																				
	PRODUCTION																																				
	QUALITY																																				
	REVIEW																																				
	COPY																																				
GENERAL TOLERANCE <table border="1"> <tr> <td>6. MAX. ± 0.2</td> </tr> <tr> <td>6. OVER MAX. 30 ± 0.3</td> </tr> <tr> <td>3D. OVER MAX. 120 ± 0.5</td> </tr> <tr> <td>ANGLE $\pm 2^\circ$</td> </tr> </table>								6. MAX. ± 0.2	6. OVER MAX. 30 ± 0.3	3D. OVER MAX. 120 ± 0.5	ANGLE $\pm 2^\circ$																										
6. MAX. ± 0.2																																					
6. OVER MAX. 30 ± 0.3																																					
3D. OVER MAX. 120 ± 0.5																																					
ANGLE $\pm 2^\circ$																																					
<small>FORM REV. 4</small> <small>WAS</small>																																					

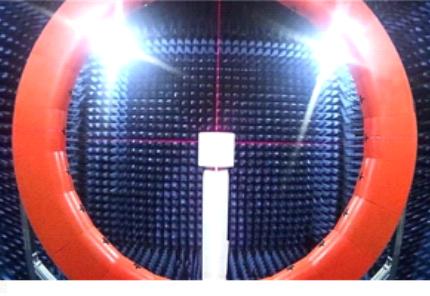
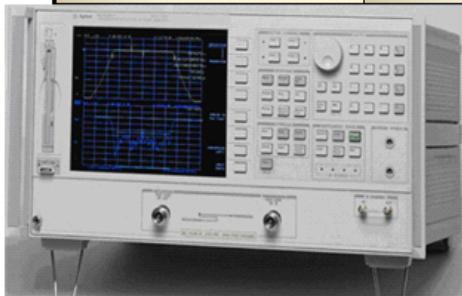
TEL: +86 0755-28640107

FAX: +86 0755-28694967

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