



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: +86 755 28694967

承认书 APPROVAL

版本: A1

客 户

CUSTOMER:

品 名 规 格

DESCRIPTION:

真天线 **2.4-5.8G** 扁形 **99** 白色天线-**IPEX** 出线 **200mm**

料 号

PART NO.:

YS030-0128

客 户 料 号

CUS PART NO.:

日 期

D A T E:

2023-4-3

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:



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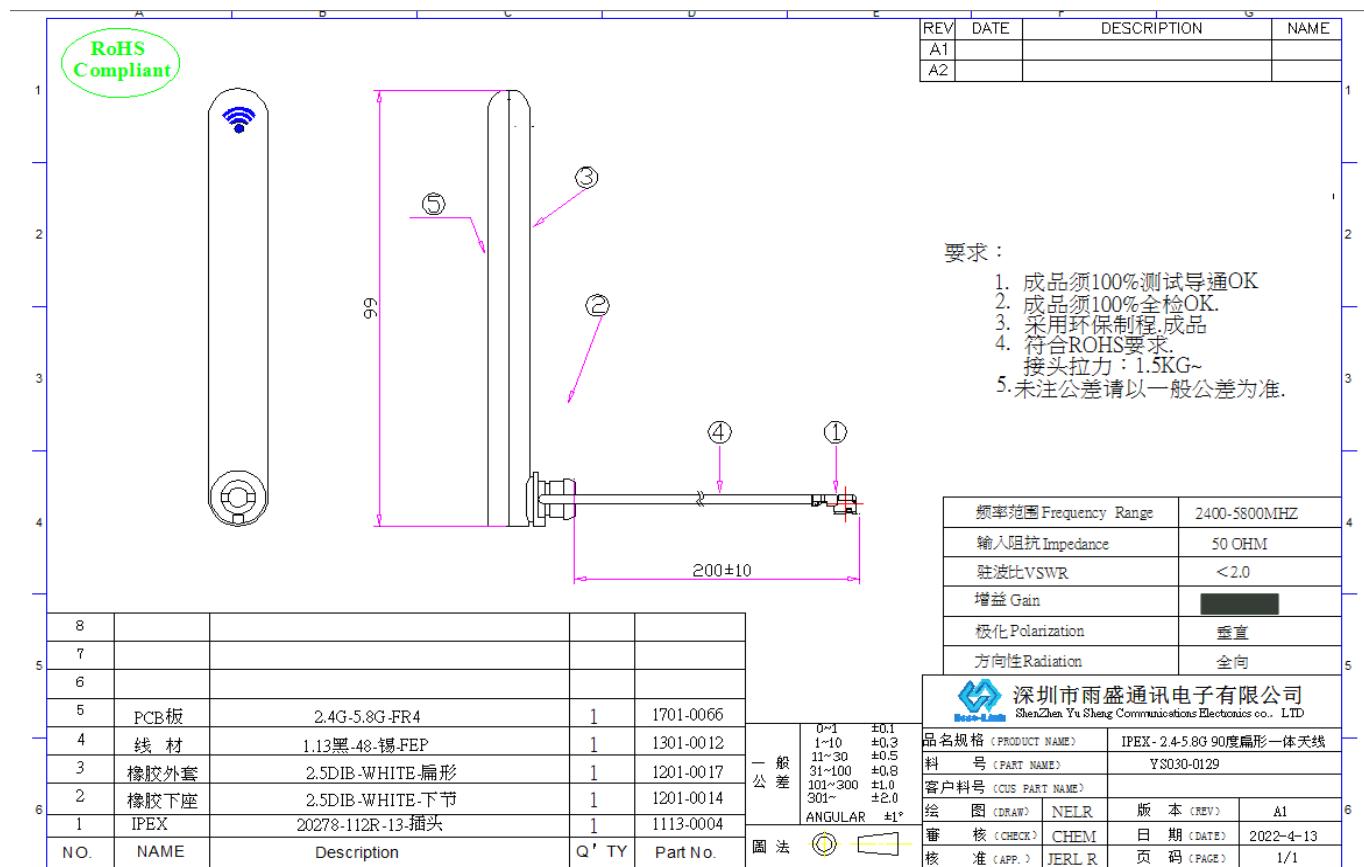
电器技术参数

电 性 能 指 标		Electrical Specifications	
频率范围	2400/5800MHZ	Frequency Range	2400/5800MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	4.47DBI	GAIN	4.47DBI
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	200mm	Cable length	200mm
工作温度	-40℃ ~+85℃	Working Temperature	-40℃ ~+85℃
工作湿度	20~80%	Working Humidity	20~80%

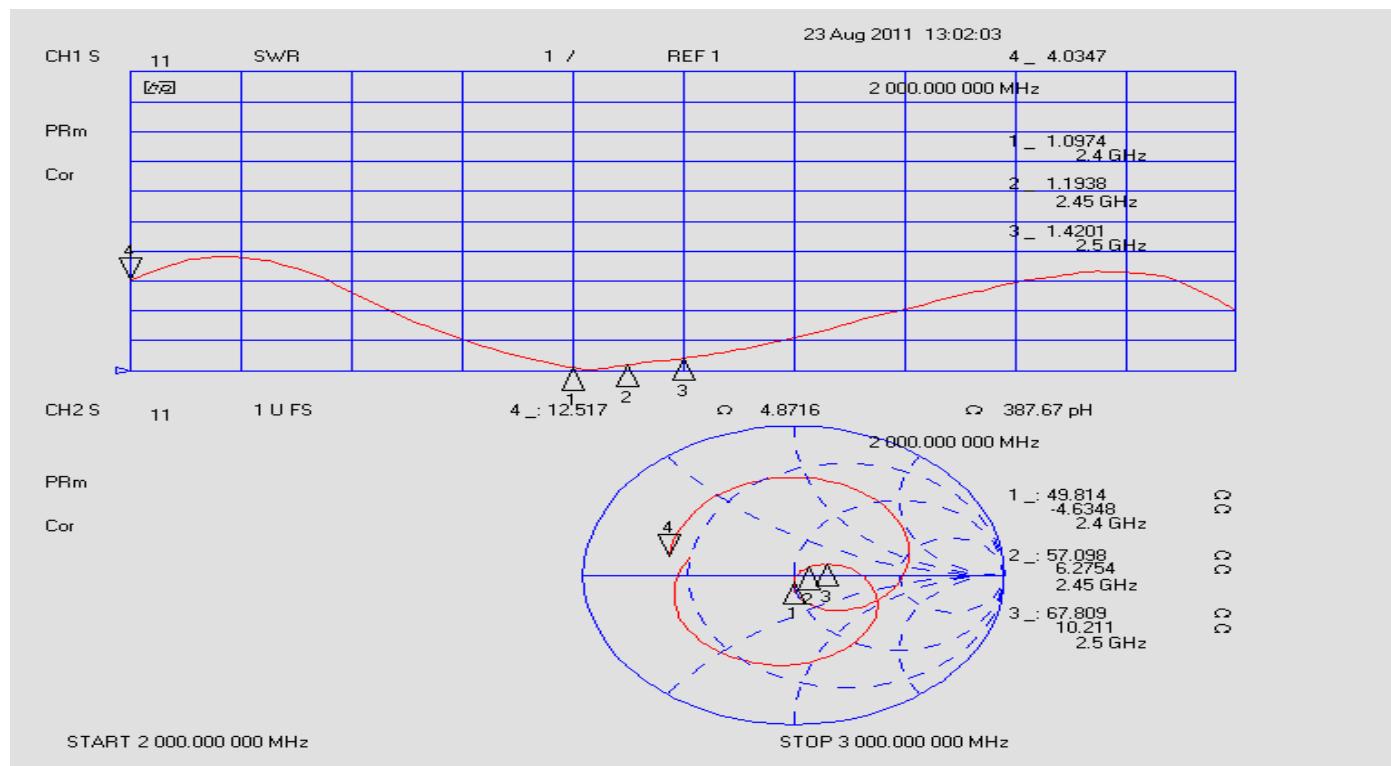
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工程图



网络分析测试：



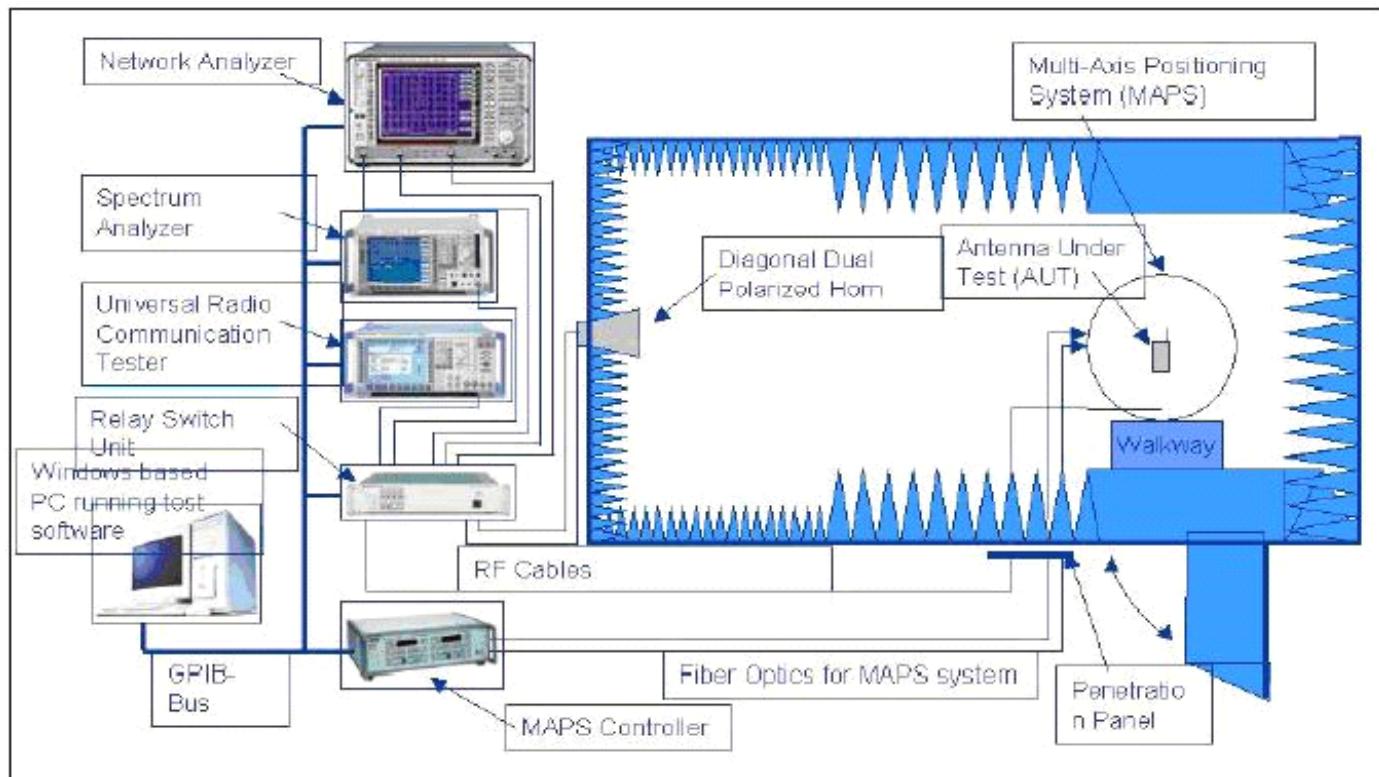
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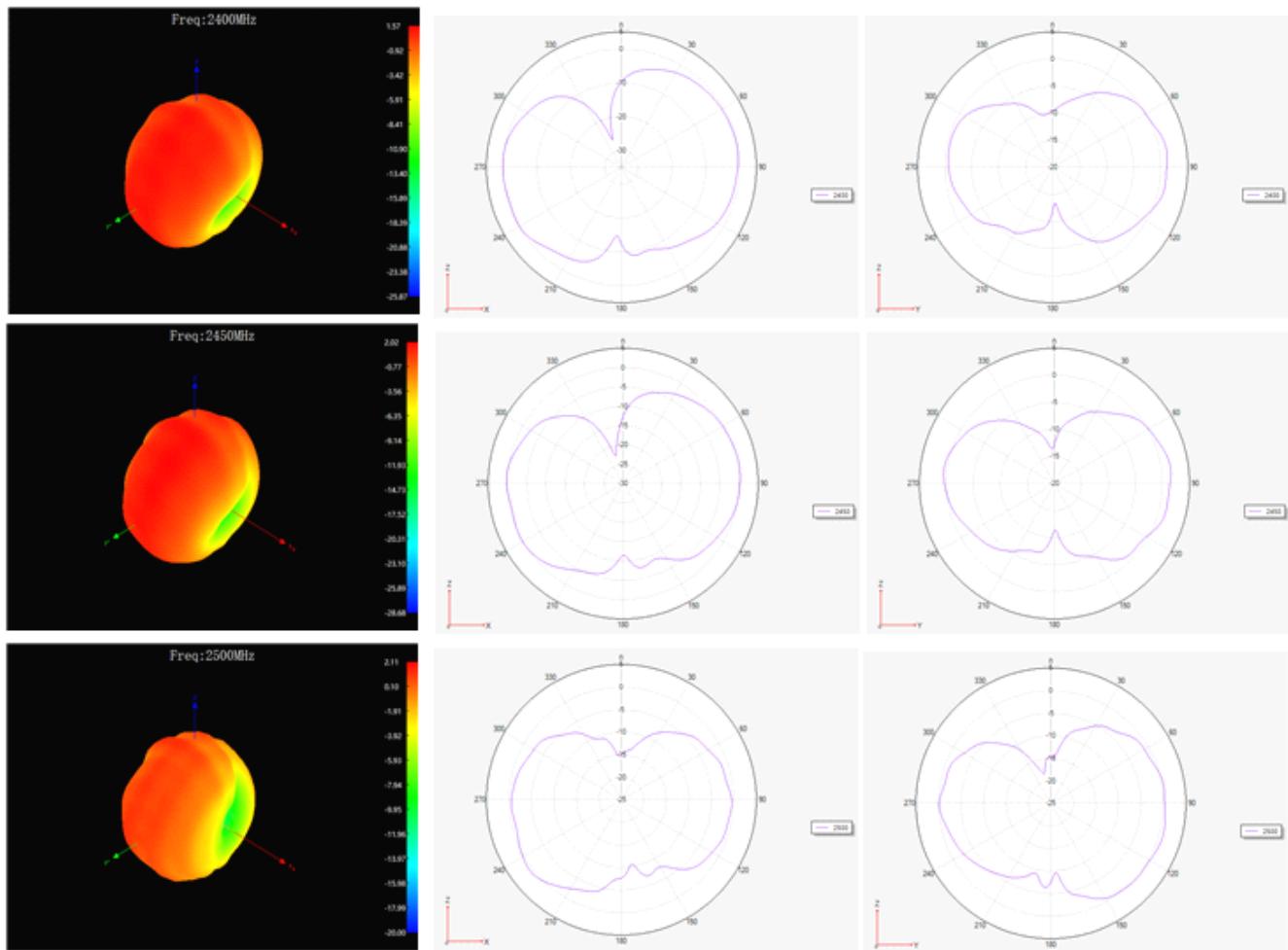
增益测试(DBI-TEST):

● 测试项目与设备

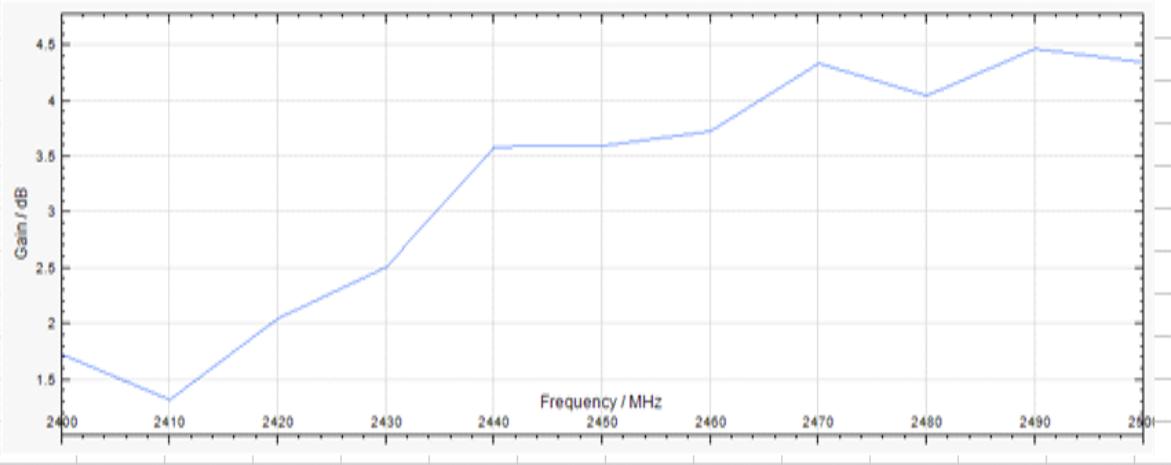
	测试项目	设备
1. S参数	1. 回波损耗 2. 驻波比	网络分析仪: Agilent E5071B
2. 耦合功率测试	1. 发射功率 2. 接收灵敏度	GSM 测试仪: Agilent 8960 E5515C LTE /WIFI/BT测试仪: R&S CMW500
3. 辐射模式与增益	1. 辐射模式 2. 天线增益	1. 暗室: 8x4x4 m (3D) 2. 网络分析仪: Agilent E5071B



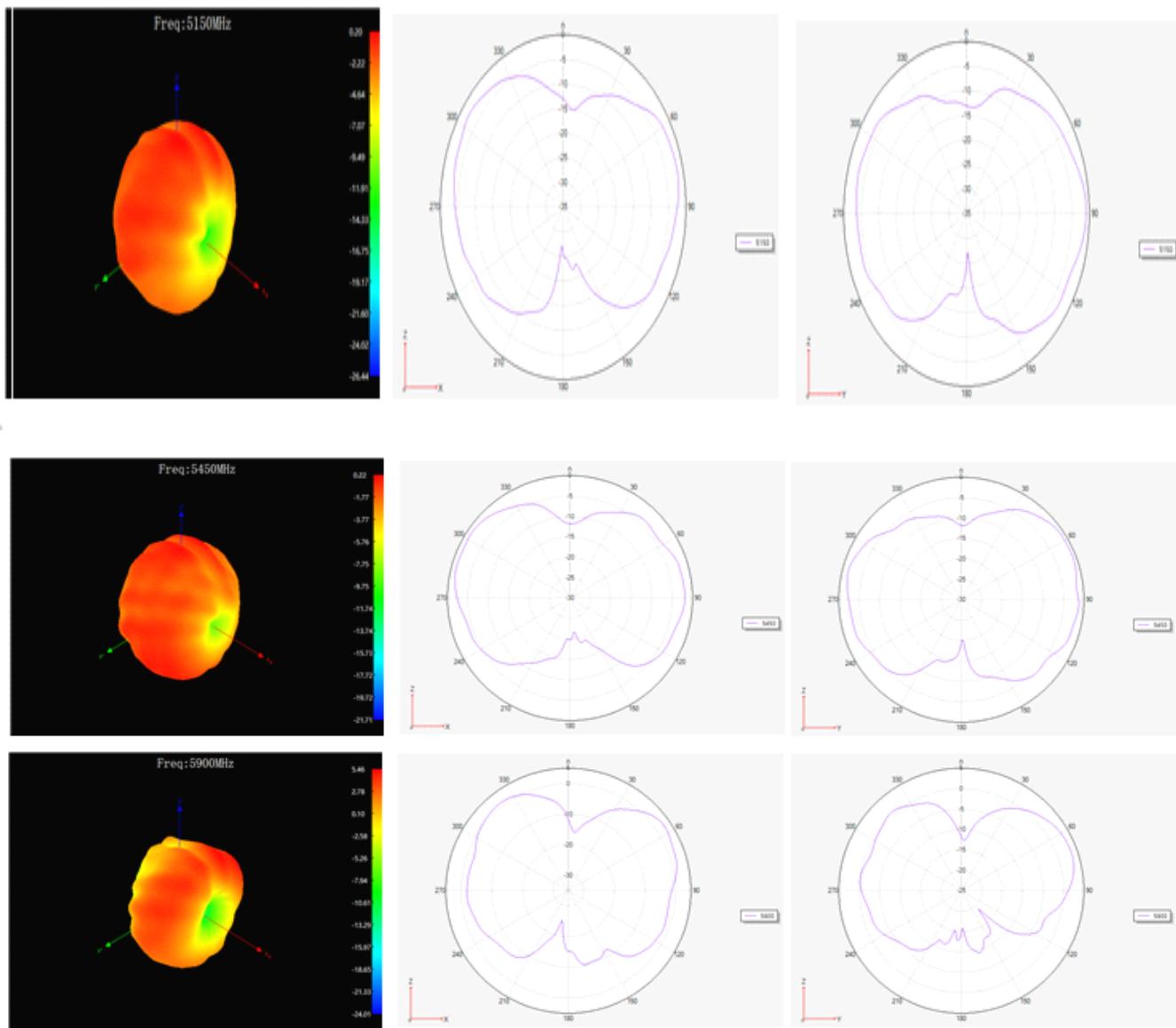
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Frequency Gain/ dB

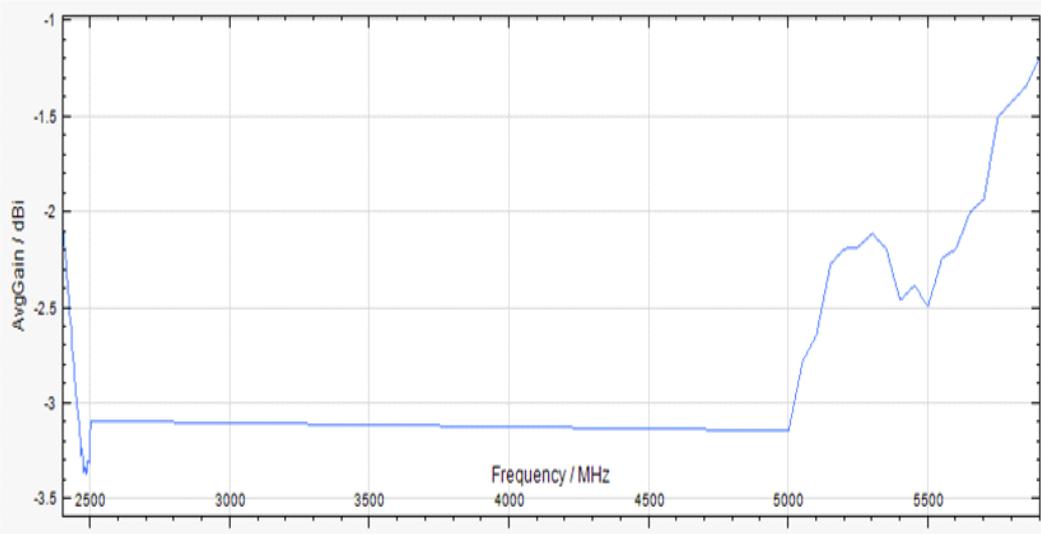
2400	2.73
2410	2.32
2420	2.05
2430	2.51
2440	3.59
2450	3.6
2460	3.73
2470	4.34
2480	4.05
2490	4.47
2500	4.35



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Frequency	MaxGain/dBi	AvgGain/dBi
5000	1.04	-3.14
5050	1.28	-2.78
5100	1.11	-2.64
5150	1.16	-2.27
5200	1.11	-2.19
5250	1.13	-2.18
5300	2.18	-2.11
5350	2.71	-2.19
5400	3.06	-2.46
5450	3.41	-2.38
5500	3.69	-2.49
5550	3.88	-2.24
5600	4.08	-2.19
5650	4	-2
5700	4.23	-1.93
5750	4.19	-1.5
5800	4.43	-1.42
5850	3.89	-1.34
5900	4.44	-1.19

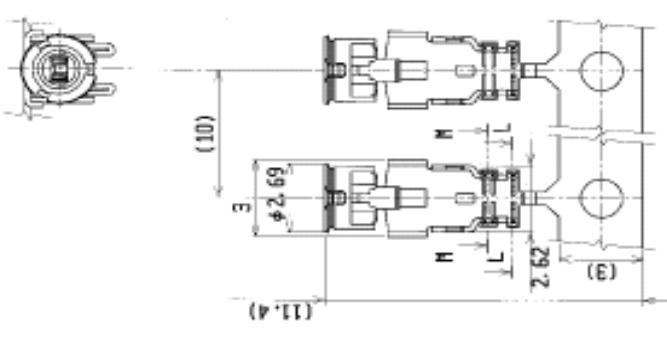
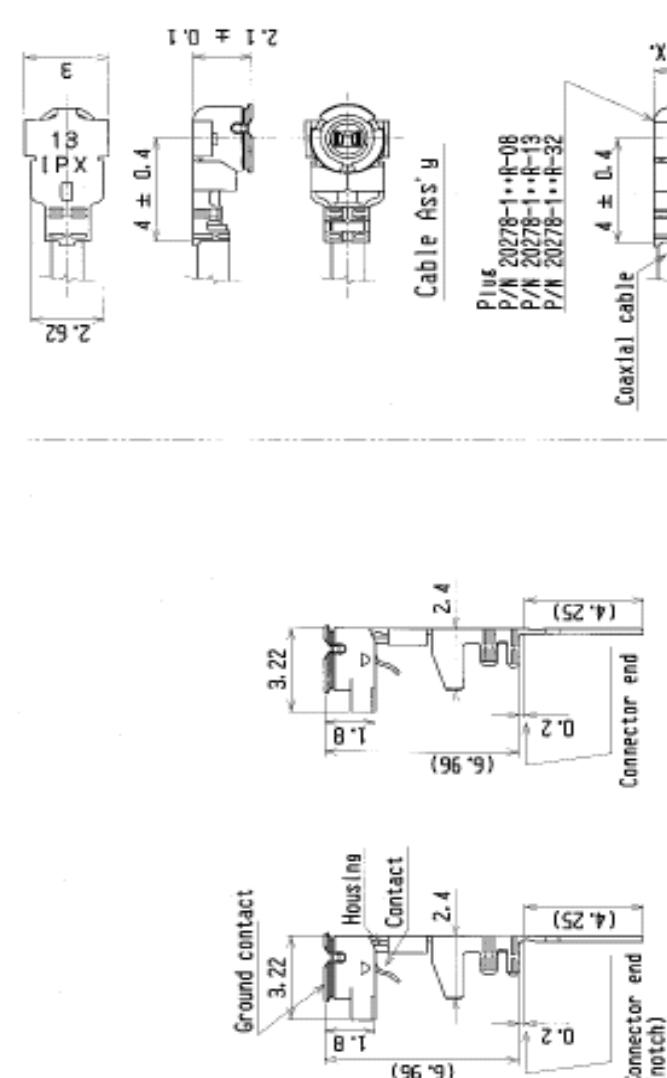


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Material Data Sheet

MHF Connector

<p>PART NO. 20278-101P-01</p> 	 <p>Ground contact 3.22 1.8 2.4 0.2 (4.25) (6.96) Connector end (notch)</p> <p>Housing Contact 2.4 0.2 (4.25) (6.96) Connector end (notch)</p> <p>Cable Ass'y Plus P/N 20278-101P-08 P/N 20278-101P-13 P/N 20278-101P-32</p> <p>Coaxial cable 4 ± 0.4 2.5 MAX.</p>	<p>Plugs P/N 20278-101P-08 P/N 20278-101P-13 P/N 20278-101P-32</p> <p>Receptacle Part No. 20279-001E-01 20441-001E-01</p> <p>MATING</p> <p>Part No. 20278-101P-08 20278-102P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32 For semi auto termination machine (without notch)</p> <p>Part No. 20278-101P-08 20278-112P-08 20278-111P-03 20278-112P-13 20278-111P-22 20278-112P-22 For hand tool (with notch)</p> <p>Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32 For semi auto termination machine (without notch)</p> <p>Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32 For hand tool (with notch)</p> <p>Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32 For semi auto termination machine (without notch)</p> <p>Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32 For hand tool (with notch)</p>												
<p>GENERAL TOLERANCE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.3%;">6. MAX. ± 0.2</td> <td style="width: 33.3%;">6. OVER MAX. 30 ± 0.3</td> <td style="width: 33.3%;">3D. OVER MAX. 120 ± 0.5</td> </tr> <tr> <td>ANGLE ± 2°</td> <td></td> <td></td> </tr> </table> <p>FORM REV. 4</p>			6. MAX. ± 0.2	6. OVER MAX. 30 ± 0.3	3D. OVER MAX. 120 ± 0.5	ANGLE ± 2°								
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<p>I-PEX <small>Introducing the Reliable Electroplated TOKYO, JAPAN</small></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33.3%;">TITLE</td> <td style="width: 33.3%;">GENERAL</td> <td style="width: 33.3%;">SUBJ. REV.</td> </tr> <tr> <td>WF series MHF series connector plus vertical (arrow symbol : solid state)</td> <td>Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32</td> <td>6/1 mm</td> </tr> <tr> <td>REV. RECORD</td> <td>APP. DATE</td> <td>APP. DATE</td> </tr> <tr> <td>SERIES No. 2814</td> <td>2814</td> <td>COPY</td> </tr> </table> <p>WAS</p>			TITLE	GENERAL	SUBJ. REV.	WF series MHF series connector plus vertical (arrow symbol : solid state)	Part No. 20278-101P-08 20278-101P-13 20278-102P-13 20278-101P-32 20278-101P-32 20278-102P-32	6/1 mm	REV. RECORD	APP. DATE	APP. DATE	SERIES No. 2814	2814	COPY
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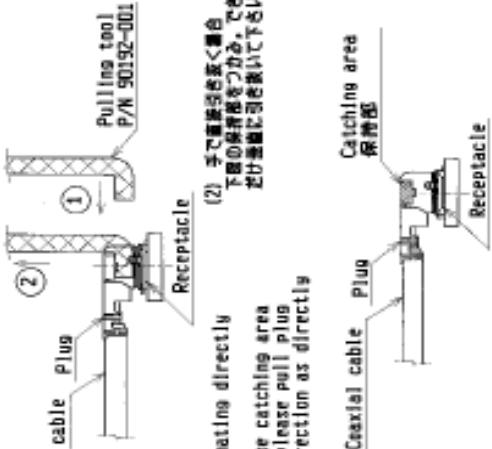
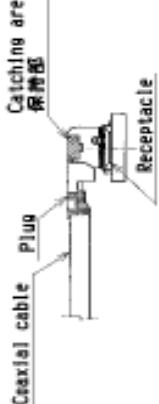
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NOTE-1 中心導体、外部導体への半田コーティングは不可
Must not use solder coated
Inner conductor and outer conductor.

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5-2 コネクタ取扱い																																	
<p>(1) In case of unmating by pulling tool. Please use the pulling tool as the following drawing, and please pull plug to vertical direction as directly as possible.</p>																																	
																																	
<p>(2) In case of unmating directly by hand. Please catch the catching area of plug, and please pull plug to vertical direction as directly as possible.</p>																																	
																																	
<p>5-3 剥離基準</p>																																	
<p>5-3 部導体はみ出し量規定 外導導体はみ出し量規定 :外導導体トーラル本数 (外導導体ハルの外に はみ出しが量)</p>																																	
<p>5-4 剥離子ユーブについて ①注意 剥離子ユーブで外導導体 を剥離する場合、導導不規 則によりワイヤーを割れさせ ないように注意して下さい。</p>																																	
<p>5-5 コネクタから離れるよび取扱い注意</p>																																	
<p>5-1 コネクタ挿入時 PlugとReceptacleとの間に合鍵を合せ、 できるだけ垂直に挿入して下さい。 接続部が挿入は行けないので下さい。 コネクタ導体の端部とせりあらずで、測定などじ 操作は行わないで下さい。</p>																																	
<p>5-2 電線の取扱い 電線の取扱いは、導導不規 則によりワイヤーを割れさせ ないように注意して下さい。</p>																																	
<p>5-3 マテル&アンマテル 操作 ①マテル Please mate the connector straightly to vertical direction as much as possible, adjusting the mating axis of plug and receptacle. As excessive slant angle mating may break the connector, please don't do it.</p>																																	
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