



深圳市雨盛通讯电子有限公司

Shenzhen Yu Sheng Communications Electronics co., LTD

Acknowled
APPROVAL

版本: A1

Client

:

Product Specifications

DESCRIPTION:

料 号

PART NO.:

YS030-0055

客 户 料 号

CUS PART NO.:

日 期

D A T E:

2020-4-18

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

※Customer confirmation sample attachment column:

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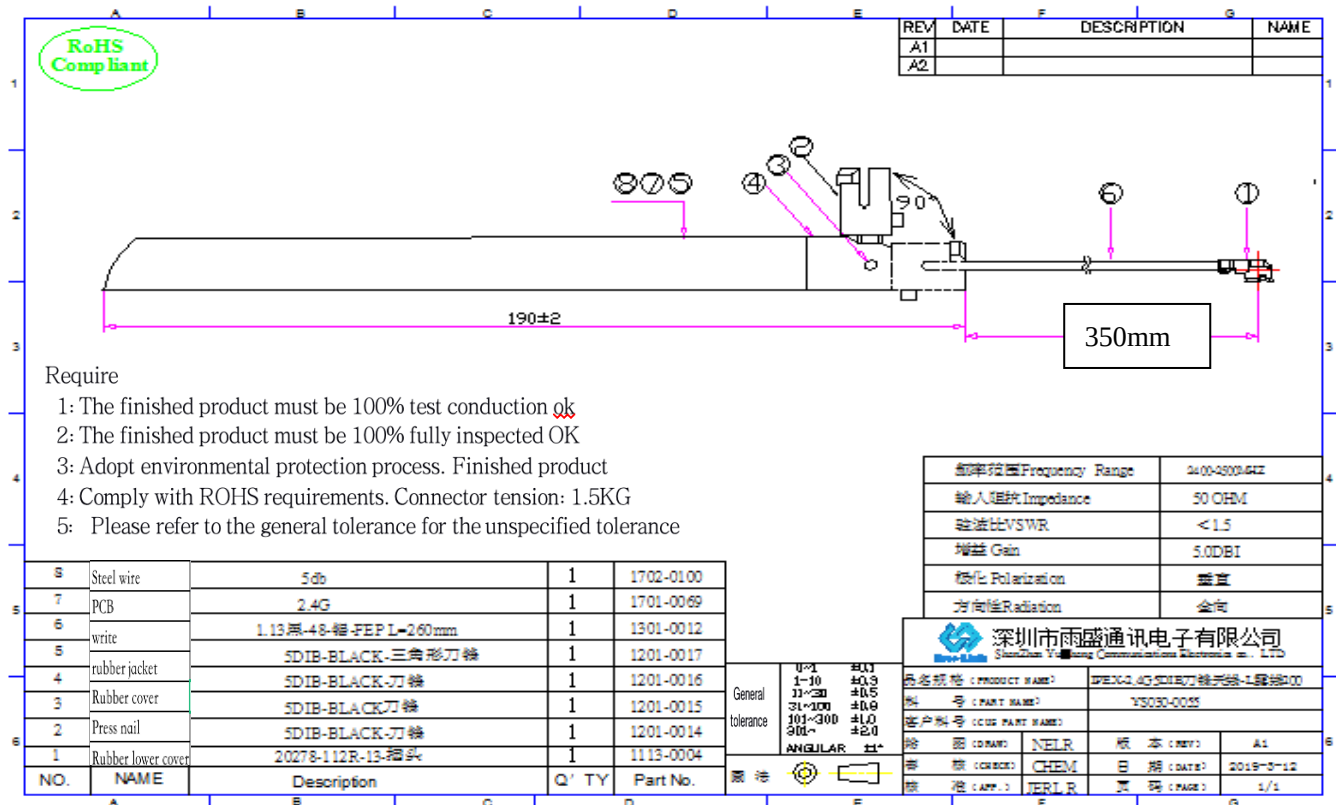
Electrical technical parameters

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	5DBI	GAIN	5DBI
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	350mm	Cable length	350mm
工作温度	-40°C ~ +85°C	Working Temperature	-40°C ~ +85°C
工作湿度	20~80%	Working Humidity	20~80%

Product Image:



Product specification chart:



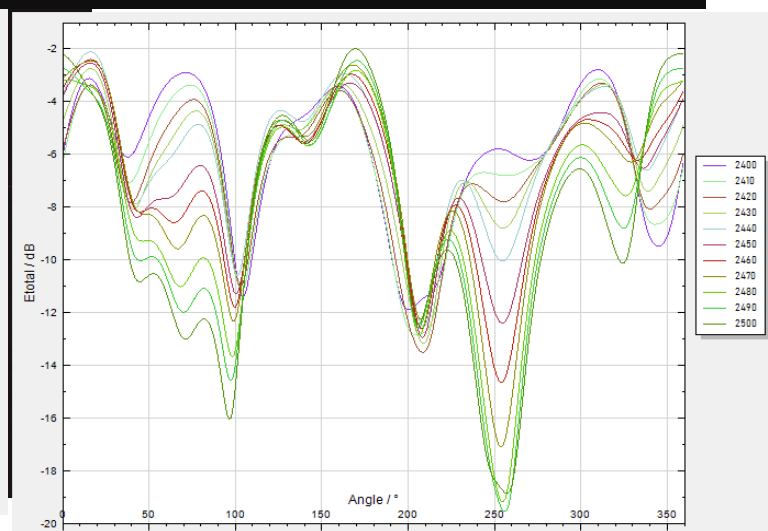
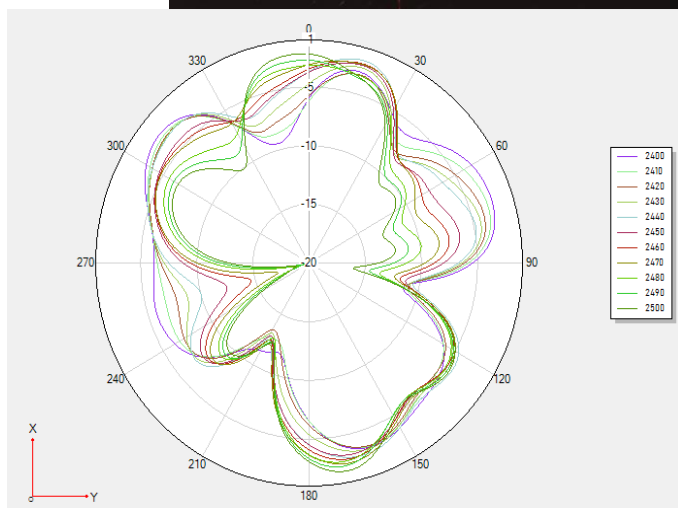
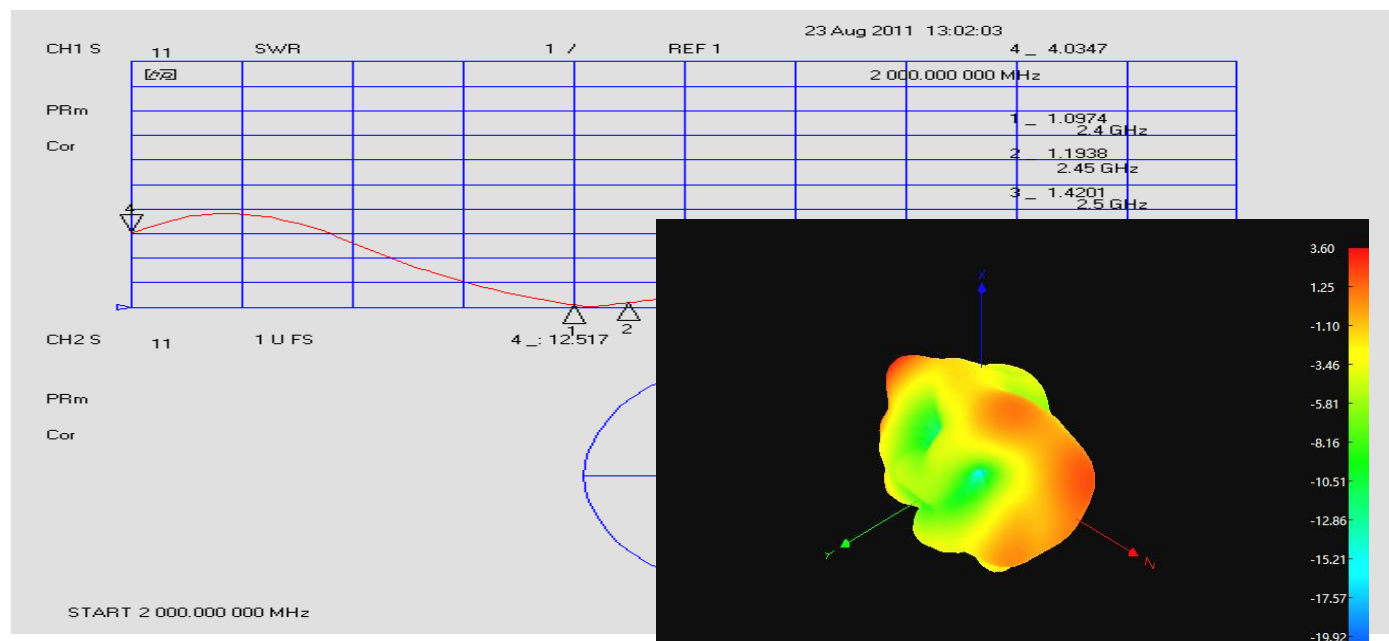
Environmental Performance Test:

project	Test Conditions	Specificati on
storage environment	Test the temperature, humidity, and air pressure in the absence of specification as follows: 1. The temperature is -30℃~+80℃ 2. The relative humidity is 45%-85% 3. Air pressure is 86kpa-106kpa	Electrical and mechanical properties are normal
High and low temperature test	5 cycles between 70° C and 40° C, then under normal conditions 1-2H, check the appearance quality.。	Dimensions shall meet the requirements and shall meet the In terms of mechanical and electrical properties
Resistance to constant humidity and heat test	Relative humidity 95±3%, test temperature: 40° C. After 2H continuous action, Measure the electrical properties within 5 minutes after the sample is taken out, and the sample is under normal conditions Under 1-2H, check the appearance quality	Dimensions shall meet the requirements and shall meet the In terms of mechanical and

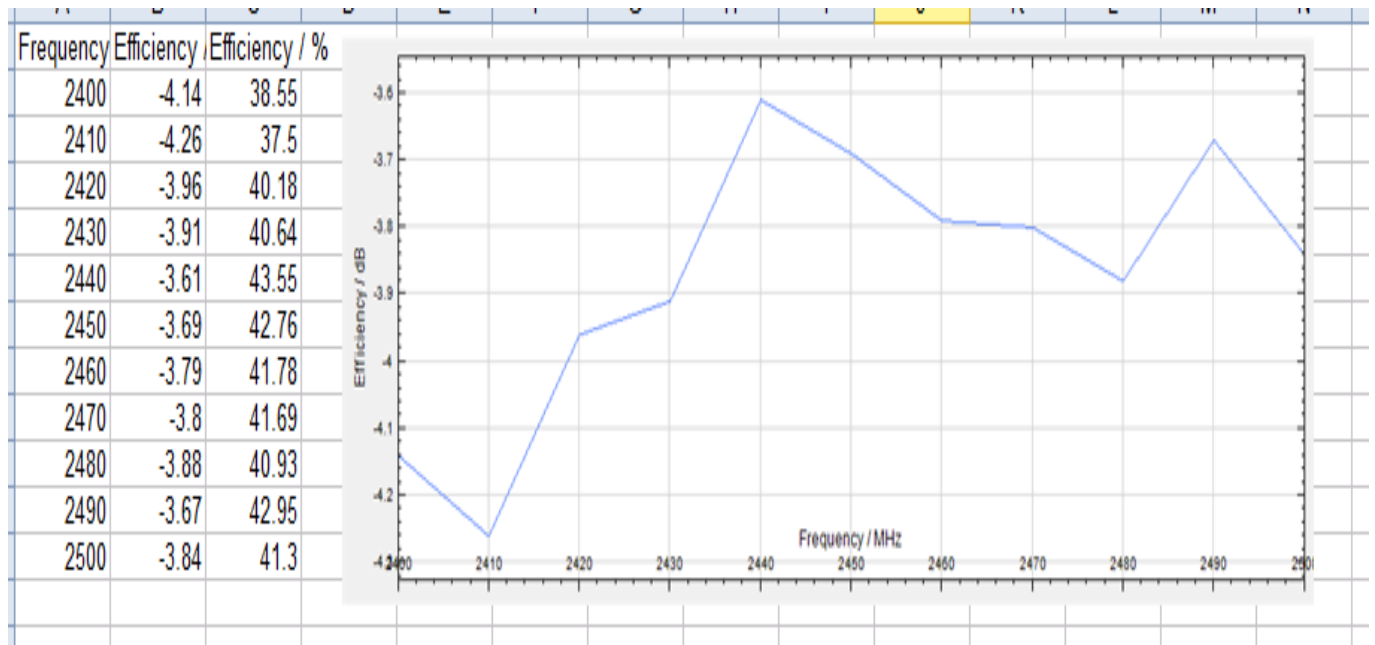
		electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35MM, acceleration amplitude: 50.0M/S, frequency sweep cycles: 30 times	Electrical and mechanical properties are normal
drop test	Free fall 3 times from a height of 1M in the direction of mutually perpendicular axes	Electrical and mechanical properties are normal

Web Analysis

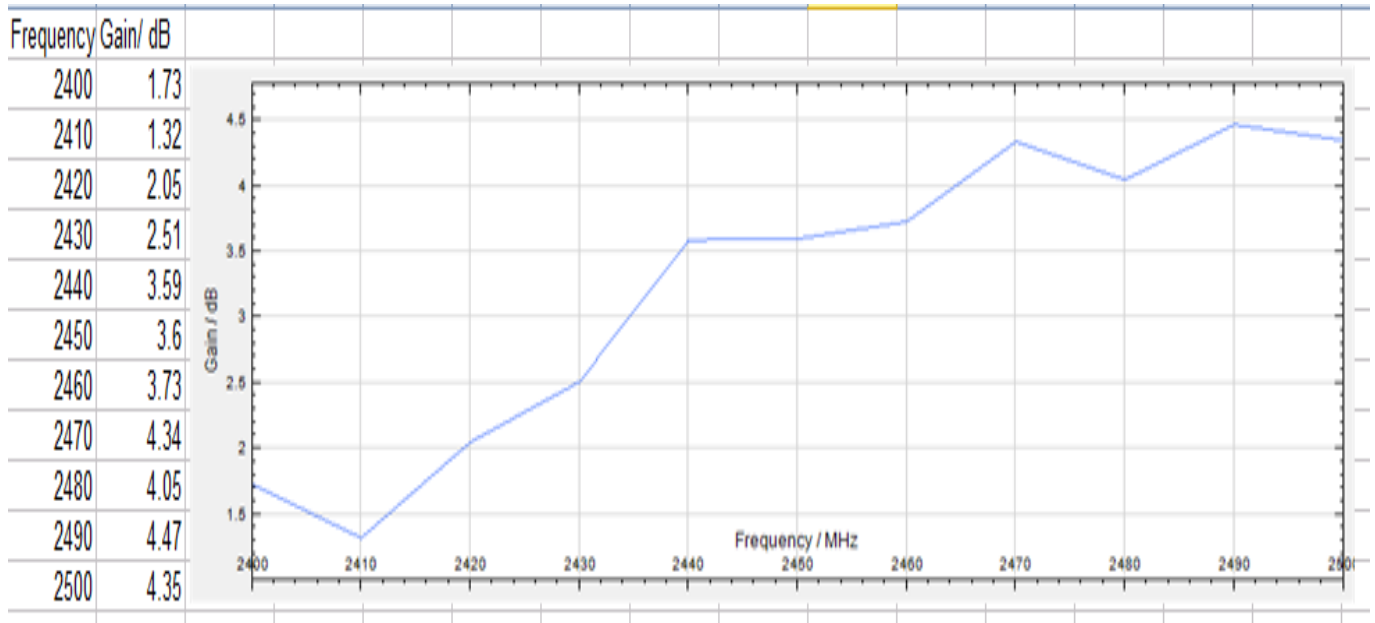
Test:



efficiency:

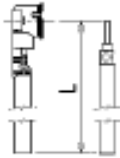


Gain:

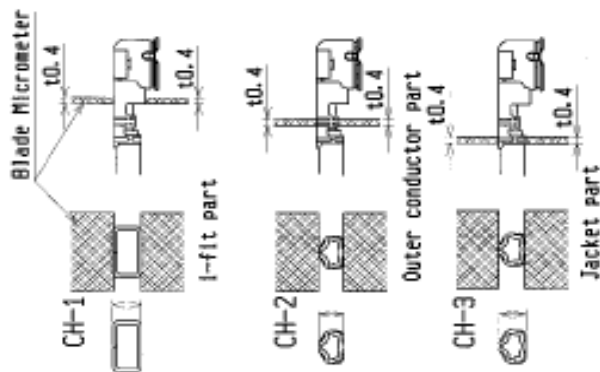


Part No. of non halogen free type		20278-101R-00	20278-101R-08	20278-101R-13	20278-101R-32	20278-101R-18
Part No. of halogen free type		20278-102R-08	20278-102R-13	20278-102R-13	20278-102R-32	20278-102R-18
Housing color		White	Black	Black	Black	White
Applicable cable nominal dimension		2.09±0.1 1.25±0.1 1.16±0.1 φ0.81 Nominal φ0.65 φ0.4 NG#3617/05	2.09±0.1 1.25±0.1 1.16±0.1 φ1.13 Nominal φ0.93 φ0.68 NG#3217/08	2.09±0.1 1.25±0.1 1.16±0.1 φ1.32 Nominal φ1.12 φ0.66 NG#3217/08	2.09±0.1 1.25±0.1 1.16±0.1 φ1.8 Nominal φ1.78 B/U φ0.84 NG#3017/0102	2.09±0.1 1.25±0.1 1.16±0.1 φ1.35 φ0.84 NG#3017/0102
Jacket		Dielectric core Outer conductor silver or tin plating Inner conductor silver plating				
Braided shield of Outer conductor		Single / 1層構造	Single / 1層構造	Double / 2層構造	Single / 1層構造	Single / 1層構造
P/N of hand Tool		90187-008C	90187-013C	90187-032C	90233-018	90232-018
P/N of seal auto termination machine		90213-008C	90213-013C	90213-032C		
Sect. M-M		1.68 1.12	2.24 1.48	2.29 1.58	2.71 1.9	2.71 1.9
Sect. L-L		1.72 1.19	2.28 1.53	2.37 1.71	3.1 2.26	3.1 2.26
Crimp Height		CH-1 CH-2 CH-3	1.34~1.40 0.76~0.84 0.85~0.97	1.34~1.40 1.06~1.14 1.15~1.35	1.34~1.40 1.20~1.30 1.26~1.46	1.34~1.40 1.41~1.49 1.70~1.80

Cable cut length



Crimp Height



NOTE-1
中心導体、外部導体への半田コティングは不可
Must not use solder coated
Inner conductor and outer conductor.

I-PEX Interconnect and Prototyping Technology JAPAN

TITLE: RF series micro coaxial connector plus vertical (ground contact: solid plating)

SCALE: UNIT: mm

PROJECTION: COPY

CUSTOMER: 20278

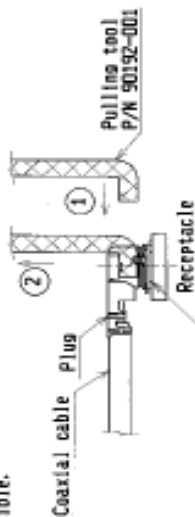
SHEET: 3/4

REV: 19C

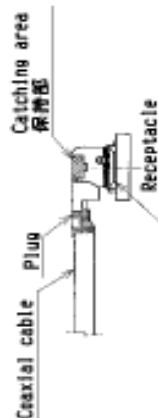
5-2 コネクタ抜き差し

5-2 Unmating.

(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.



(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.



5-3 Crimp over standards of outer conductor

Standards: Less than 10% from total numbers of outer conductor
(Numbers of outer conductor's crimp over from outer conductor's barrel)

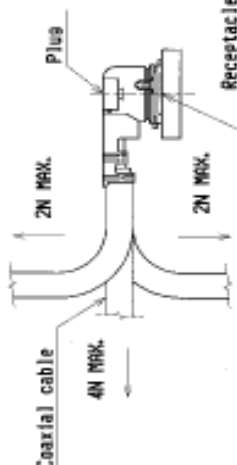
5-4 Caution about Heat shrinkage tubes

Please be careful not to melt housing when using heat shrinkage tubes.
It will become cause of open circuit.

6. This is 'Pb-free' connector.

Notes

- Material
(1) Housing : PBT, UL94V-0
(2) Contact
phosphor bronze
gold plating 0.1μm MIN.
over nickel 1.27μm MIN.
(3) Ground contact
phosphor bronze
gold plating 0.05μm MIN.
over nickel 1.27μm MIN.
(4) Packing : reel
(5) Mating partner part No.
: 20279-001E-01, 20441-001E-01
(6) Permissible load of cable at mating



5. Suggestions for mating & unmating operation.

5-1 Mating.
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.

5. コネクタの抜き差しおよび抜き差し時の注意

5-1 コネクタ挿入時
PlugとReceptacleの中心合わせを、
できるだけ直に挿入して下さい。
斜めな角度で挿入は行わないで下さい。
コネクタの抜き差し時の注意として、過度な斜め
挿入は行わないで下さい。

I-PEX International and Passive Electronics TOKYO, JAPAN		DESIGN BY		DATE
		CHK'D BY	DATE	
REV. ECH		BY	DATE	APP
REV. RECORD		CUSTOMER COPY		
SERIES No.		2814		
TITLE		HF series ultra coaxial connector plug vertical (fixed contact : gold plating)		
SCALE		UNIT : mm		
DRAW. No.		20278		
SHEET		4/4		
REV.		19C		

WAS T

FORM REV. 4