



DESCRIPTION:	4G External antenna
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PART NUMBER	YS030-0128
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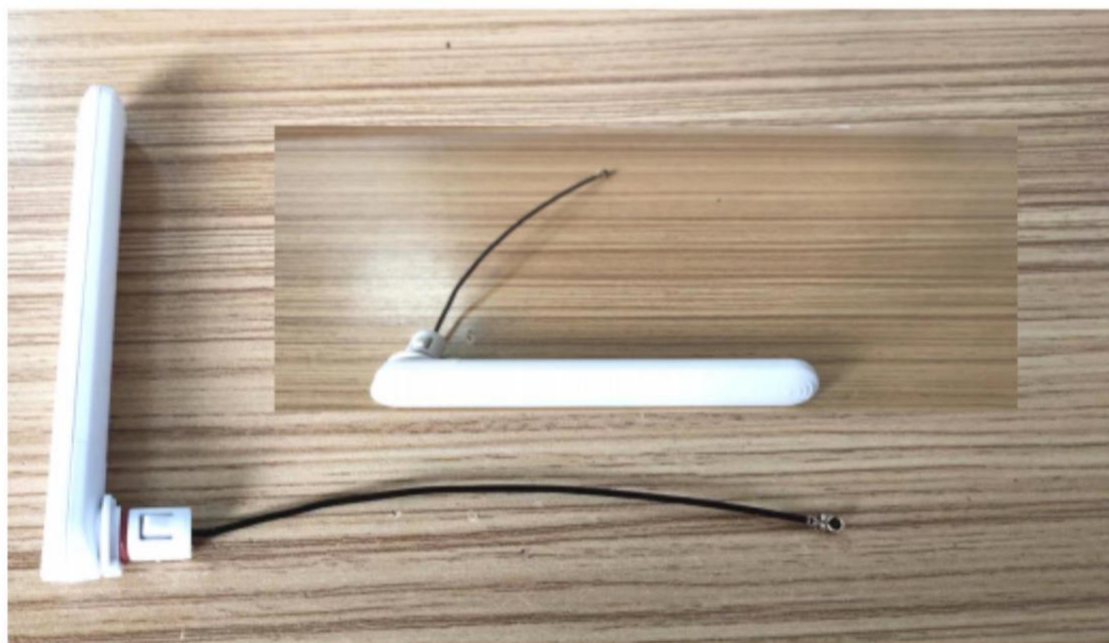
DATE	2024-2-21
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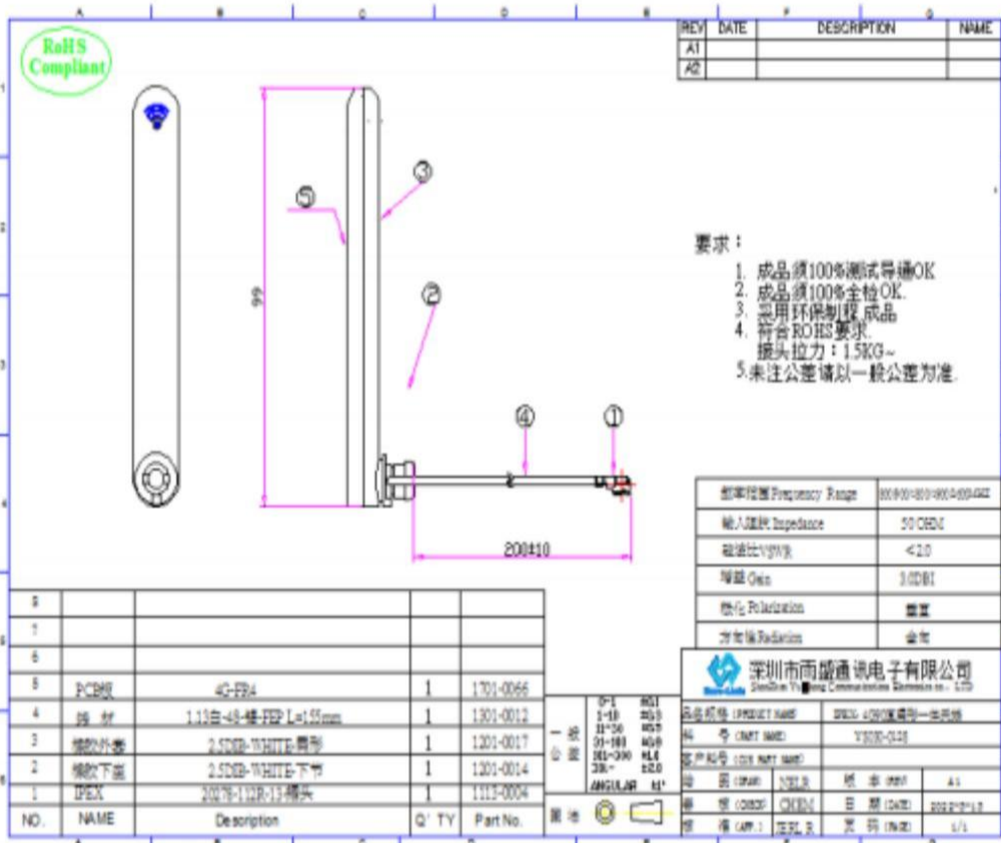
Manufacturer:Shenzhen Yu Sheng Communications Electronics co., LTD
Add:3-4th Floor, No. 102, Aoxi Road, Aobei Village 1, Henggang Town, Longgang
District, Shenzhen City

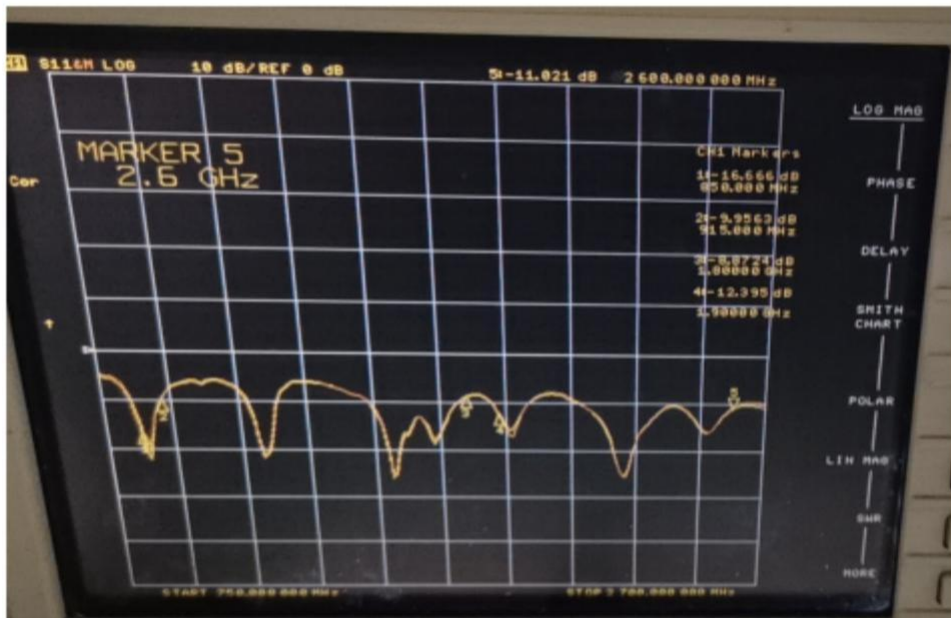
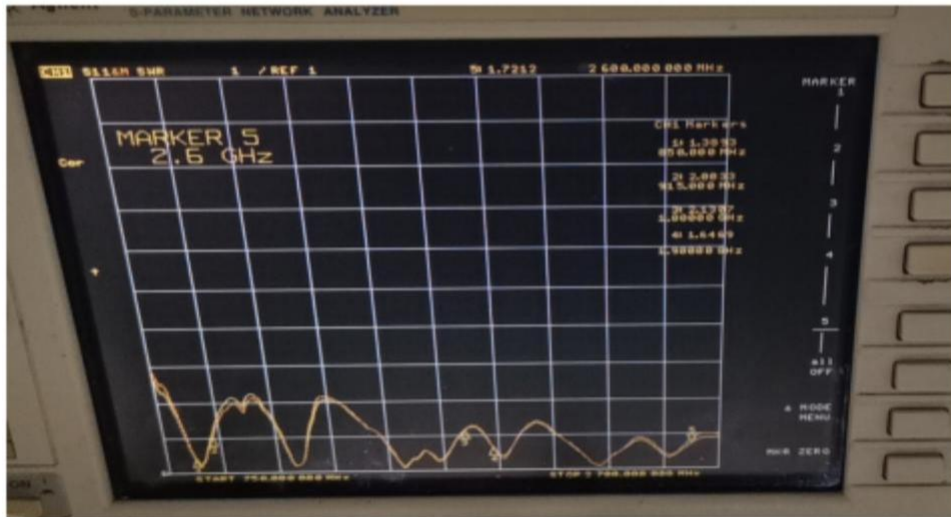


电性能指标		Electrical Specifications	
频率范围	800/900/1800/1900/2600MHZ	Frequency Range	800/900/1800/1900/2600MHZ
电压驻波比	≤2.0	VSWR	≤2.0
增益	3DBI	GAIN	3DBI
输入阻抗	50 Ω	Input Impedance	50 Ω
机械指标		Mechanical Specifications	
天线颜色	白色	Antenna Color	WHITE
接口形式	IPEX	Input connector	IPEX
天线长度	300mm	Cable length	300mm
工作温度	-40℃~+85℃	Working Temperature	-40℃~+85℃
工作湿度	20~80%	Working Humidity	20~80%

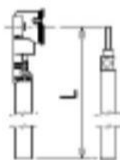
Product picture:



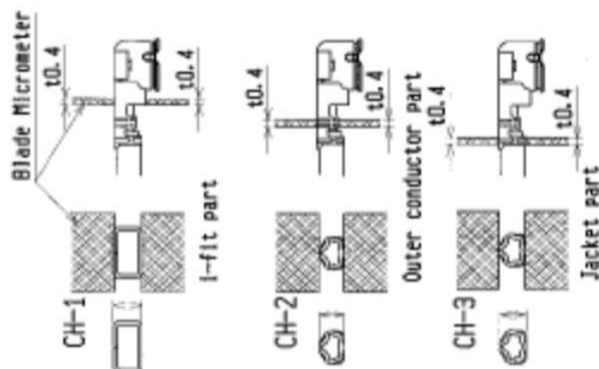




Cable cut length



Crimp Height



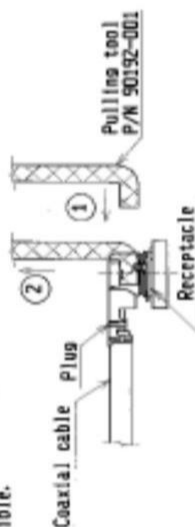
Part No. of non halogen free type	20278-101R-08	20278-101R-13	20278-101R-32	20278-101R-18
Part No. of halogen free type	20278-102R-08	20278-102R-13	20278-102R-32	20278-102R-18
Housing color	White	Black	Black	White
Applicable cable nominal dimension	2.09±0.1 1.25±0.1 1.16±0.1	2.09±0.1 1.25±0.1 1.16±0.1	2.09±0.1 1.25±0.1 1.16±0.1	2.09±0.1 1.25±0.1 1.16±0.1
Jacket	Dielectric core Outer conductor Silver or tin Silver plating Inner conductor Silver plating	Dielectric core Outer conductor Silver or tin Silver plating Inner conductor Silver plating	Dielectric core Outer conductor Silver or tin Silver plating Inner conductor Silver plating	Dielectric core Outer conductor Silver or tin Silver plating Inner conductor Silver plating
Shield of outer conductor	Single / 1層構造	Single / 1層構造	Double / 2層構造	Single / 1層構造
P/N of hand Tool	90187-008C	90187-013C	90187-032C	90233-018
P/N of seal auto termination machine	90213-008C	90213-013C	90213-032C	90232-018
Sect. M-M	1.68	2.24	2.29	2.71
Sect. L-L	1.72	2.28	2.37	3.1
Crimp Height	CH-1 CH-2 CH-3	1.34~1.40 0.76~0.84 0.85~0.97	1.34~1.40 1.20~1.30 1.26~1.46	1.34~1.40 1.41~1.49 1.70~1.80

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.

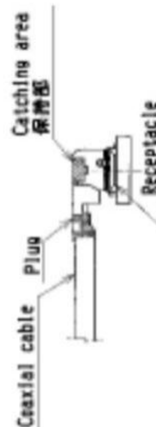
DESIGN BY		DATE
CHK'D BY		DATE
APP'D BY		DATE
REV. EGN	BY	DATE
REV. RECORO		
SERIES No.	2814	
CUSTOMER	COPY	
INJECTION	SCALE	UNIT
MM	mm	
DWG. No.	20278	
SHEET REV.	3/4	19C

5-2 Unmating.

(1) In case of unmating by pulling tool.
Please use the pulling drawing, 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)

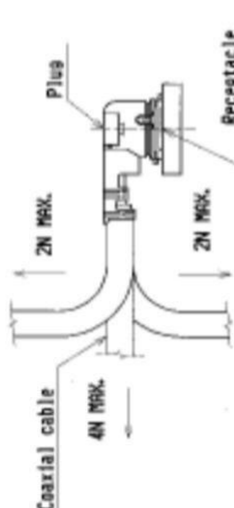
5-4 Caution about Heat shrinkage tubes
Please be careful not to melt housing when using heat shrinkage tubes. It will become cause of open circuit.

5-5 5-6 5-7 5-8 5-9 5-10 5-11 5-12 5-13 5-14 5-15 5-16 5-17 5-18 5-19 5-20 5-21 5-22 5-23 5-24 5-25 5-26 5-27 5-28 5-29 5-30 5-31 5-32 5-33 5-34 5-35 5-36 5-37 5-38 5-39 5-40 5-41 5-42 5-43 5-44 5-45 5-46 5-47 5-48 5-49 5-50 5-51 5-52 5-53 5-54 5-55 5-56 5-57 5-58 5-59 5-60 5-61 5-62 5-63 5-64 5-65 5-66 5-67 5-68 5-69 5-70 5-71 5-72 5-73 5-74 5-75 5-76 5-77 5-78 5-79 5-80 5-81 5-82 5-83 5-84 5-85 5-86 5-87 5-88 5-89 5-90 5-91 5-92 5-93 5-94 5-95 5-96 5-97 5-98 5-99 5-100

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.
2. Packing : reel
3. Mating partner part No.
: 20279-001E-01, 20441-001E-01
4. 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. コネクタの挿入および抜き回しの注意

5-1 コネクタの挿入時
プラグとレセプタクルの中心合わせを、できるだけ直線的に行ってください。
斜めにはめ込みを行わないでください。
コネクタの斜めにはめ込みは、過度な斜角で、破損の原因となります。

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