承 认 书

APPROVAL SHEET

客 户 名 称

CUSTOMER NAME:

产 品 名 称

PRODUCT NAME: 2.4G W70 白色天线 L=130mm+端子

客 户 料 号

CUSTOMER P/N:

优比电子料号

Youbi P/N: UB02C130W3D2511A REV: B

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	Yongxin.Lu	
APPROVED BY:	Changxing.Liu	
DATE:	2021/10/29	

东莞市优比电子有限公司 工程专用章

Modification History

Version	Content Revision	Issued by	Date
A	Original version	Yongxin.Lu	2021-10-23

Content

Item ***Description***

1.----------Electrical Specification

2.----------Test Items and Equipment

3.----------S Parameter

4.----------Efficiency and Gain

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6.----------Mechanical Specification

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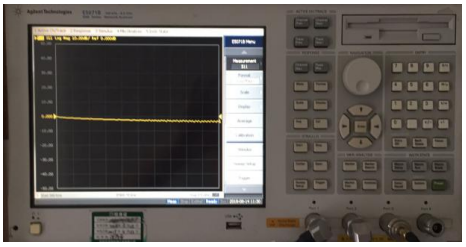
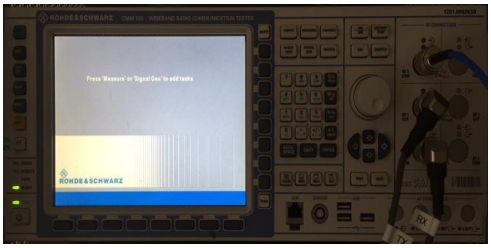
1. Electrical Specification:

Characteristics	Specifications	Unit
Outline Dimensions	13x105,L130	mm
Frequency	2400-2500	MHz
Impedance	50	Ω
VSWR	≤ 1.92	
Polarization	Linear Polarization	
Gain	3.0±0.5	dBi
Efficiency	>50	%
Connector Type	MHF-1-Plug	
Operating temperature	-20℃~+50℃	
Storage Temp	-20℃~+50℃	

2.Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)
The whole machine of Passive parameters	1.Frequency 2.Gain 3.Radiation Pattern	1.3D microwave darkroom (5m*5m*5m) 2.Network analyzer (Agilent E5071B)
The whole machine of Active parameters	1.TRP 2.TIS	1.3D microwave darkroom (5m*5m*5m) 2.Comprehensive test instrument (CMW500)

3. S Parameter

Frequency (MHz)	Return Loss (dB)	VSWR
2400	-13.04	1.57
2450	-21.76	1.17
2500	-21.14	1.19

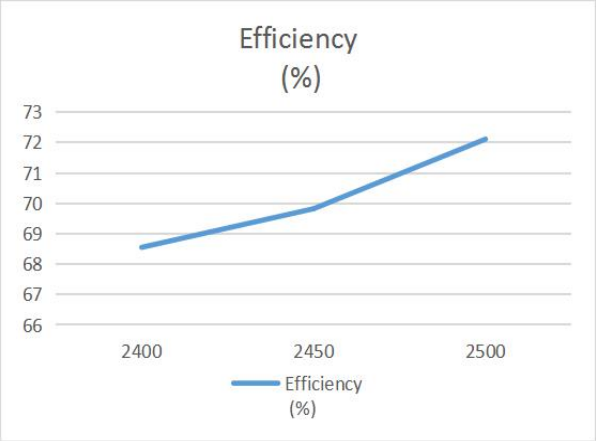
* Voltage Standing Wave Ratio(VSWR)

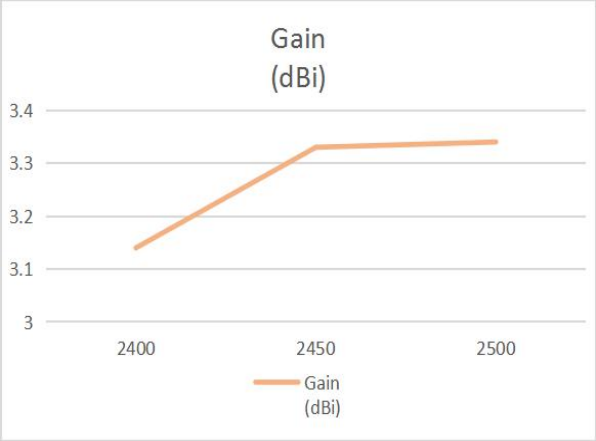
Return Loss(RL)

RL=20*log10[(VSWR+1)/(VSWR-1)

4. Efficiency and Gain

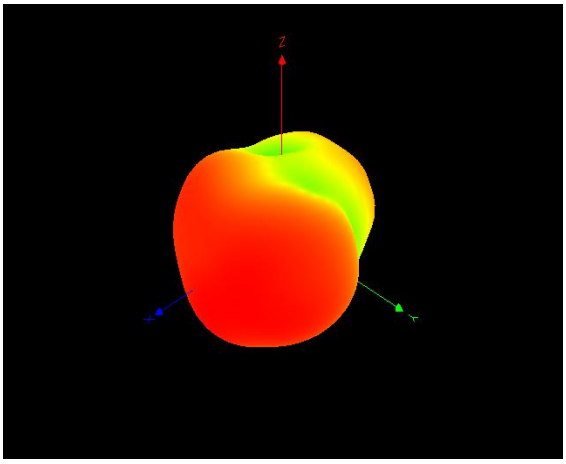
Frequency (MHz)	2400	2450	2500
Efficiency (%)	68.55	69.82	72.11
Gain (dBi)	3.14	3.33	3.34



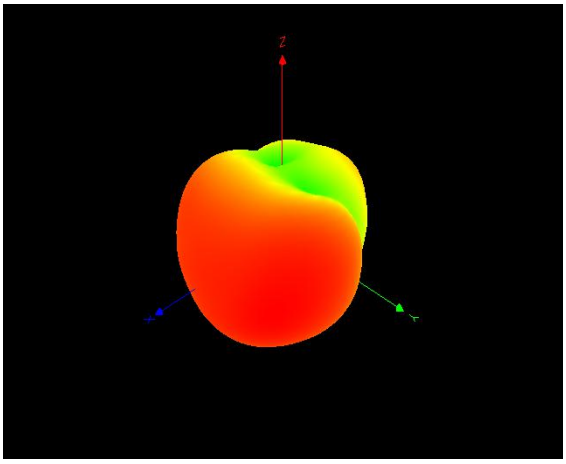


5. Radiation Pattern

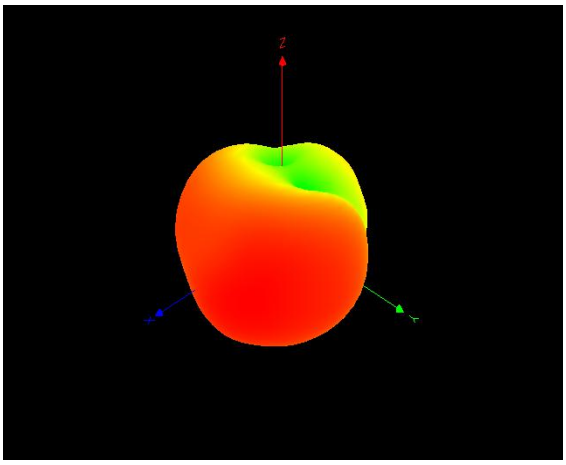
5-1 Antenna 3D Radiation Pattern



2400MHz

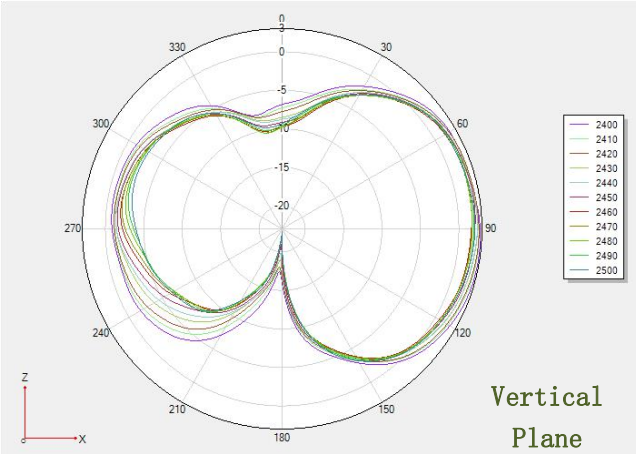


2450MHz

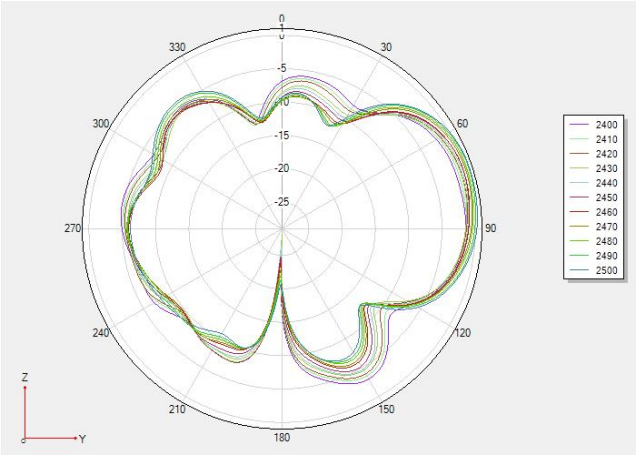


2500MHz

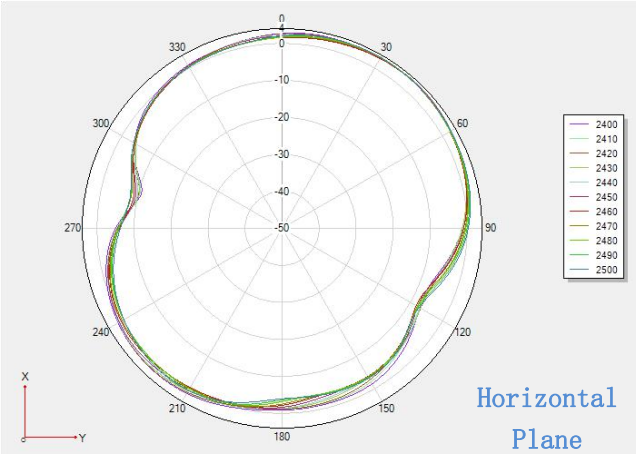
5-2 Antenna 2D Radiation Pattern



Phi 0 2D

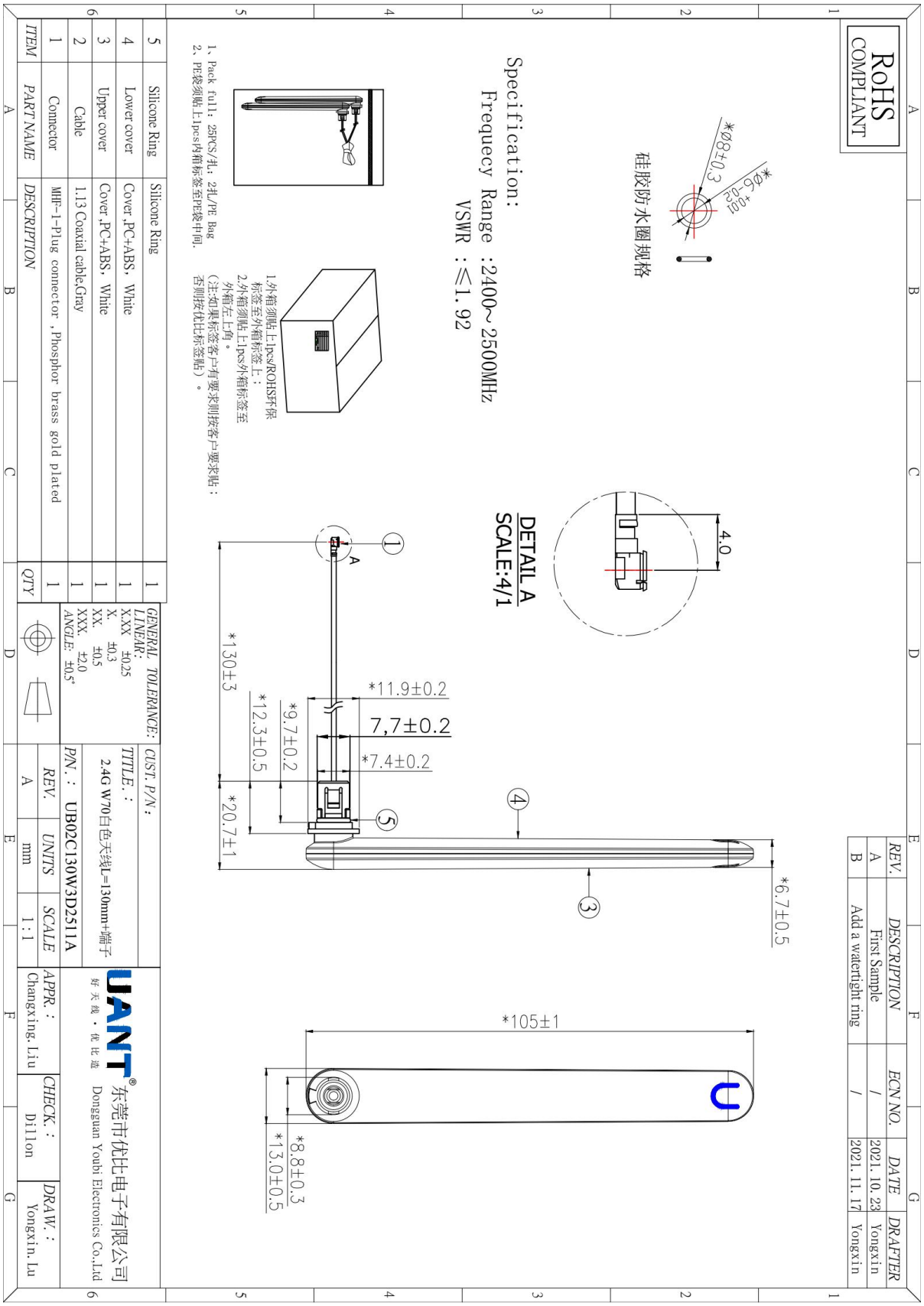


Phi 90 2D

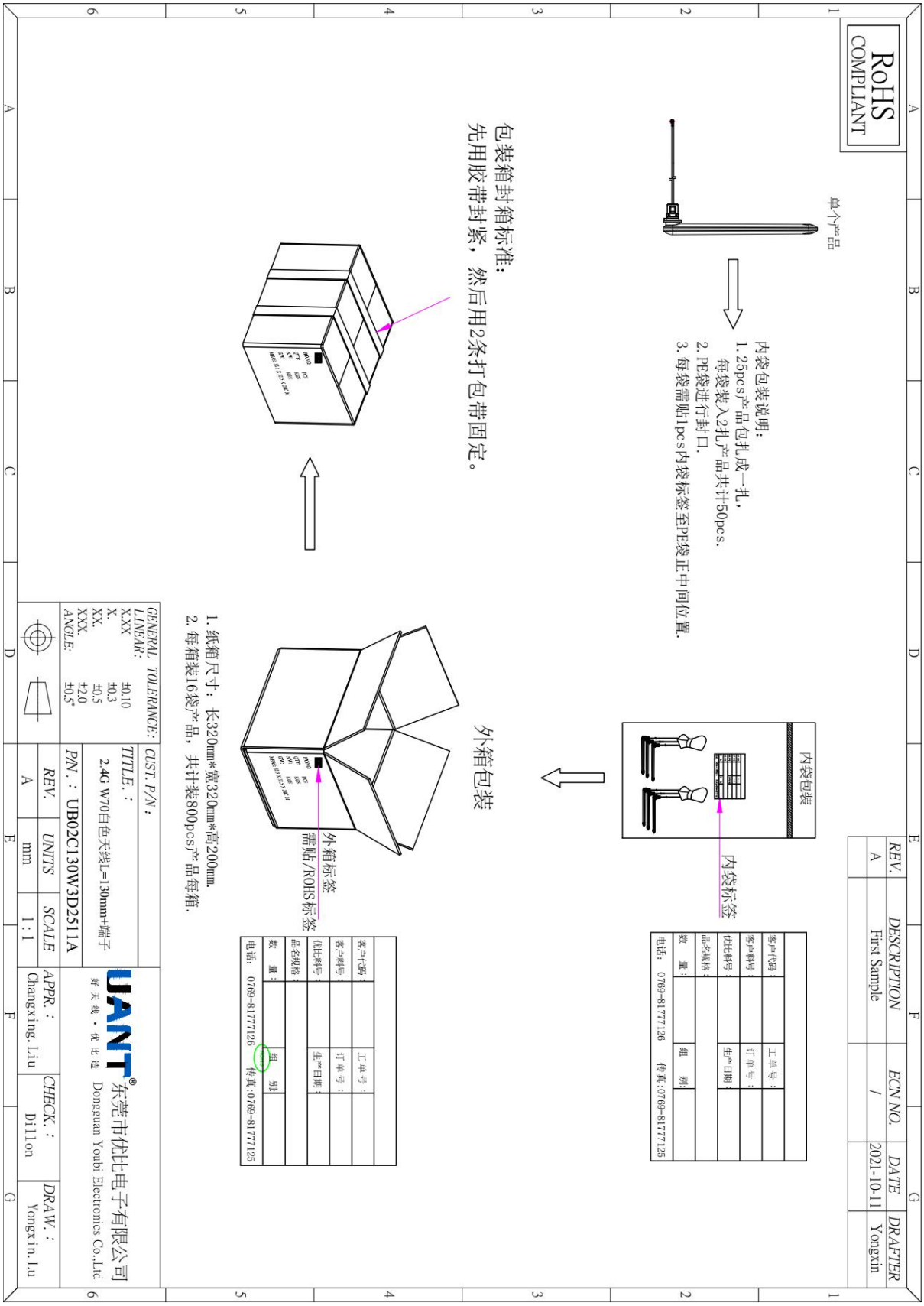


Theta 90 2D

6. Mechanical Specification:



7. Packaging


RoHS COMPLIANT
单个产品
内袋包装说明:
1. 25pcs产品包扎成一扎,
每袋装入2扎产品共计50pcs.
2. PE袋进行封口.
3. 每袋需贴1pcs内袋标签至PE袋正中间位置.
内袋包装
内袋标签
客户代码:
客户料号:
优比料号:
品名规格:
数 量:
组 别:
工单号:
订单号:
生产日期:
电话: 0769-81777126 传真:0769-81777125
外箱包装
外箱标签
需贴/ROHS标签
包装箱封箱标准:
先用胶带封紧, 然后用2条打包带固定。
1. 纸箱尺寸: 长320mm*宽320mm*高200mm.
2. 每箱装16袋产品, 共计装800pcs产品每箱.
REV. A
DESCRIPTION First Sample
ECN NO. /
DATE 2021-10-11
DRAFTER Yongxin
GENERAL TOLERANCE:
LINEAR: X.XX ±0.10
X. ±0.3
XX. ±0.5
XXX. ±2.0
ANGLE: ±0.5°
CUST. P/N:
TITLE.: 2.4G W70白色天线L=130mm+端子
P/N.: UB02C130W3D2511A
REV. A
UNITS mm
SCALE 1:1
APPR.: Changxing.Liu
CHECK.: Dillon
DRAW.: Yongxin.Lu
UANT® 东莞市优比电子有限公司
好天线 · 优比造 Dongguan Youbi Electronics Co.,Ltd