

# Specifon For Approval

Manufacturer: BT Shenzhen Yi Sheng Bang technology Co., LTD


Product Name: BT Antenna

Model: SLK-CY-T3010-L-500I-B

Specifications: \_\_\_\_\_

Single net weight(g): 3.8

(Manufacturer)

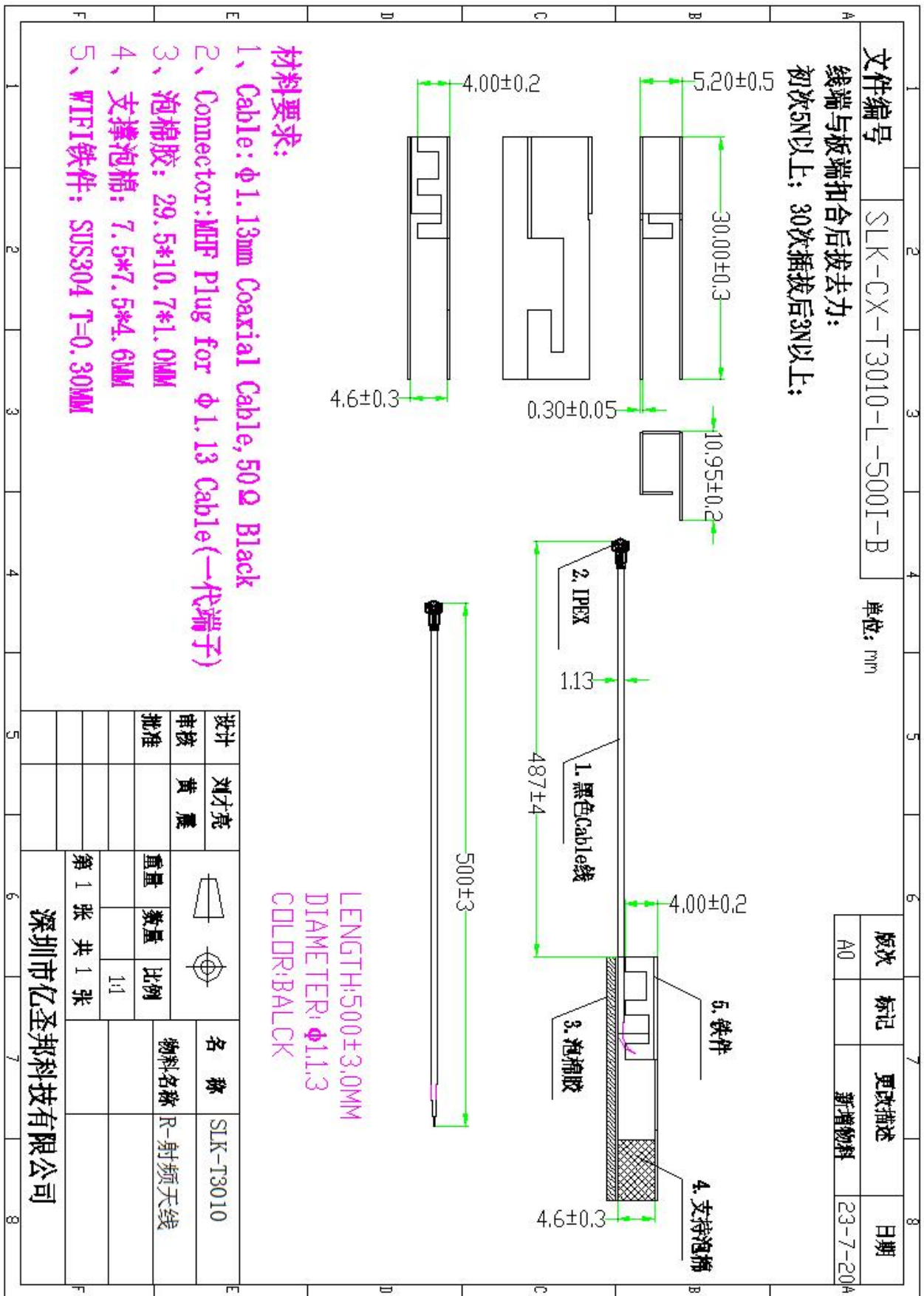
制订 (Complied by)	确认 (Reviewed by)	批准 (Approvak)	公司公章 (Company seal)
刘才亮	黄震	林美财	

(彩迅承认)

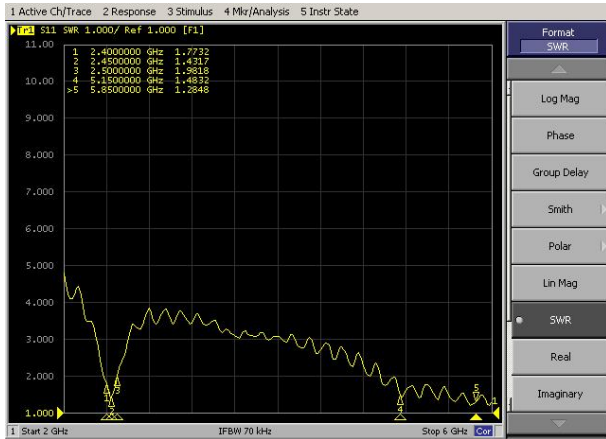
确认 (Reviewed by)	审核 (Check)	批准 (Approvak)

Address: 101, Building C, Qianwan Hard Science and Technology  
Industrial Park, Baoan District, Shenzhen

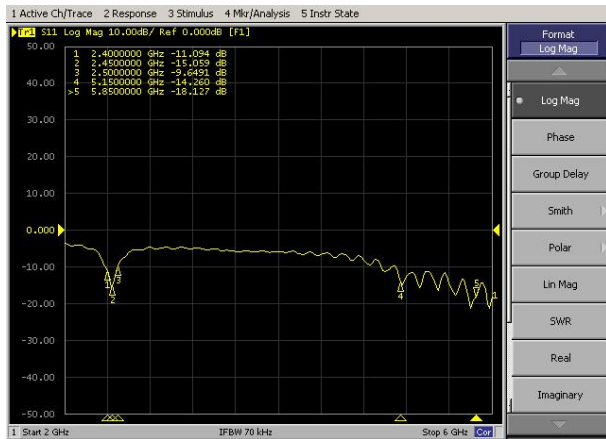
# 1. Structural appearance



## VSWR

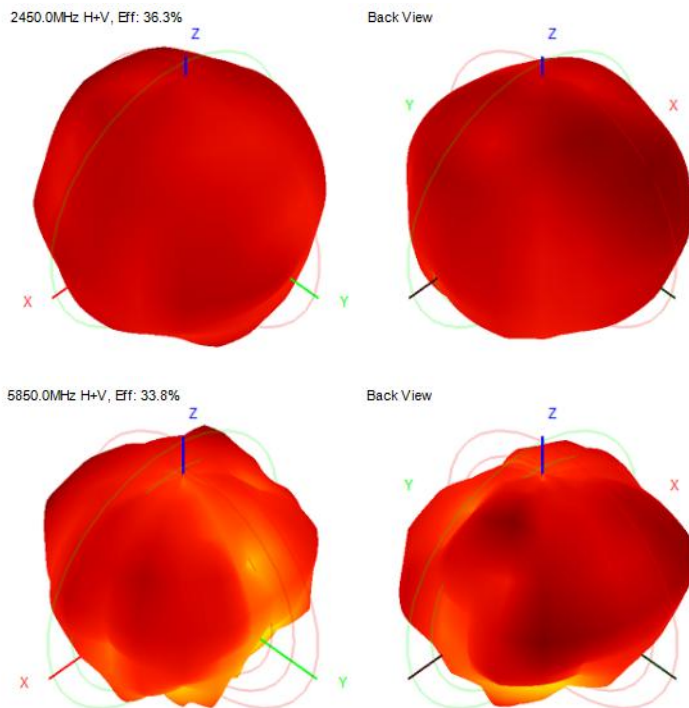


## S11




## WiFi Antenna Gain/Efficiency/Radiation Pattern of 3D

Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5250.0	5750.0	5850.0
Efficiency (dBi)	-4.70	-4.56	-4.52	-4.23	-4.33	-4.40	-4.44	-4.65	-4.73	-4.90	-5.20	-4.88	-5.05	-4.79	-4.71
Gain (dBi)	-0.85	-0.73	-0.83	-0.93	-1.04	-0.70	-0.50	-0.55	-0.80	-1.03	-1.61	1.47	1.06	1.36	1.53
Efficiency (%)	33.87	35.02	35.35	37.73	36.91	36.30	35.98	34.27	33.65	32.39	30.18	32.52	31.25	33.19	33.80



2 Rf line specification

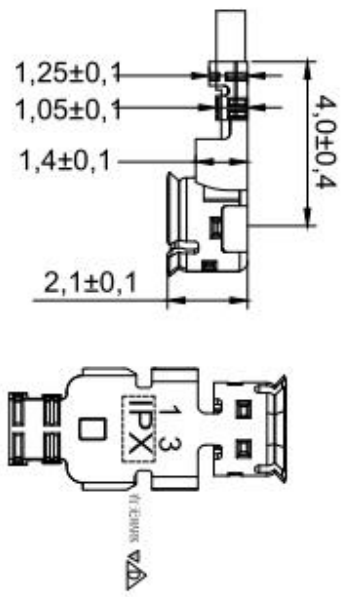
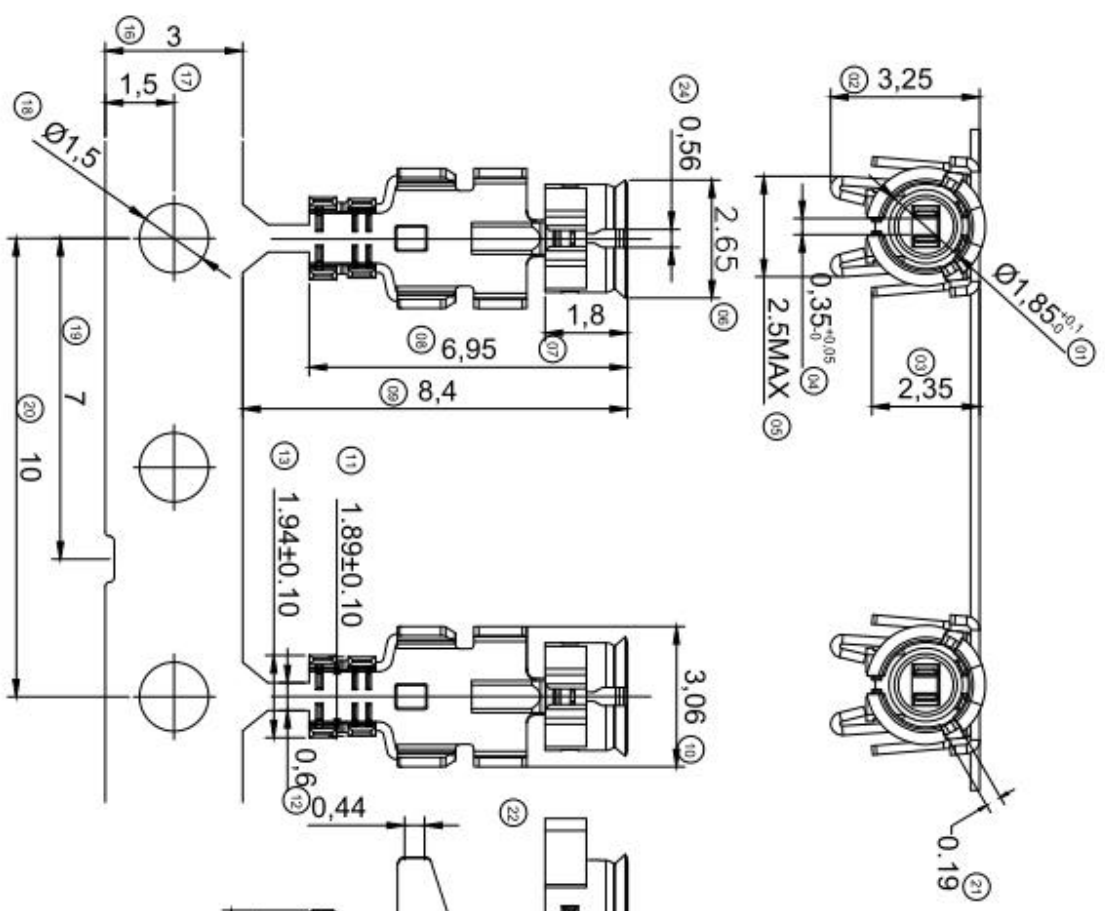
产品规格 Product Type		RF113/50 双锡线		
结构图 Structure Drawing				
结构特性 Structure Characteristics				
结构 Structure	项目 Item	标准值 Standard Value		
内导体 Inner Conductor	材质 Material	镀锡铜线 Tinned Copper Wire		
	结构 Construction(mm)	7/0.08 ±0.003		
	标称外径 Nom.Dia(mm)	0.24±0.02		
绝缘层 Insulation	材质 Material	聚全氟乙丙烯 FEP		
	标称外径 Nom.Dia(mm)	0.70±0.02		
外导体 Outer Conductor	材质 Material	镀锡铜线 Tinned Copper Wire 16*4/0.05		
	标称外径 Nom.Dia(mm)	0.92±0.05		
	编织覆盖率 Coverage Ratio(%)	90±5		
护套 Jacket	材质 Material	聚全氟乙丙烯 FEP		
	标称外径 Nom.Dia(mm)	1.13±0.05		
电气性能 Electrical Characteristics				
项目 Item	标准值 Standard Value	项目 Item	频率 Frequency	标准值 Standard Value
阻抗 Impedanc ( Ω )	50±2	衰减 Attenuation@20°C (dB/m)	1GHz	2.20
电容 Capacitance(pF/m)	98		2GHz	3.10
速率 Velocity(%)	70		3GHz	3.80
驻波比 VSWR	≤1.30@DC-6GHz		4GHz	4.40
最大工作电压 Max.Operating Voltage(V)	1000		5GHz	4.90
最大工作频率 Max.Operating Frequency(GHz)	6		6GHz	5.40
可靠性 Dependability				
最小弯曲半径(单次)Min.Bending Radius/Single	mm	5		
最小弯曲半径 ( 重复 ) Min.Bending Radius/Repeated	mm	10		
工作温度范围 Operating Temperature	°C	-55-+200		
包装 Packing				
包装方式 Packing Mode	纸盘 Papery Reel			
包装长度 The Length of Each Reel(m)	1000			
每盘段数 The Joints of Each Reel	≤5			
最小段长 Min. Segment Length(m)	≥10			
使用提示 Trips for Use				
存储环境 Storage Environment	温度：30°C以下，湿度：20-65%			
最佳保存周期 The Best Save Cycle	2 个月，2 个月以上上锡效果变差，但电性能不受影响，夏季高温高湿环境开剥后需尽快流转			
加工温度 Processing Temperature	可短时承受 260°C的高温，300°C以上易发生分解，400°C以上发生显著的热分解			
铁氟龙收缩 Teflon Shrink	材料的固有属性，绝缘 0.2mm 以下，护套 0.3mm 以下			
护套窜动 Jacket Taaverse	加工长度（护套残留长度）低于 5CM 时易发生			

PART NO.

**CUSTOMER DRAWING**

REVISIONS

LTR	DESCRIPTION	Drawing	DATE
C	更改產品規格與物料組件	LONG	11/02/19
D	更改圖面與物料組件	LONG	12/04/19



**Autodesk**

- NOTE:
- HOUSING MATERIAL: THERMOPLASTIC PLASTIC, UL 94V-0;
  - CONTACT MATERIAL: COPPER ALLOY, GOLD PLATED ALL OVER;
  - SHELL MATERIAL: COPPER ALLOY, GOLD OR NICKEL PLATED ALL OVER;
2. PERFORMANCE:
- CONTACT RESISTANCE: 20mOHM Max.
  - 200V AC, 1 Minute;
  - DIELECTRIC WITHSTANDING VOLTAGE: 200V AC FOR 1MINUTE;
  - 50000 Min.
  - INSULATION RESISTANCE: 500MOHM Min.
  - 30 Min.
  - DURABILITY: 30TIMES Min.

TABLE

006-01-00057	黃	物料顏色
006-01-00039	有	庫存
PART NO	物料	庫存報告

**Sonetek**

891 048E 120 CONNECTION 1PC 1.13088

DIMENSION ARE MILLIMETERS ARE :  
 DECIMALS :  
 X 0.20  
 .XX ± 0.15  
 ANGLE : °

APPROVALS	DATE
DRAWN	12/04/19
CHECKED	
APPROVALS	

SIZE SCALE : DRAWING NO. REV.  
 mm 1 : 1 001110 D

DESCRIPTION

NO

QTY UNIT

DESCRIPTION

ID NO. XXXXXXXXXXXX SHEET 1 OF 1