



SPECIFICATION FOR APPROVAL

Specification

/part no: L=70mm/I-PEX



天线照片 (Picture) :



(图片仅供参考，以图纸为准)

电气参数 (Electrical parameters) :

Frequency 频率范围	2.4~2.5GHz
Impedance 特性阻抗	50Ω
S.W.R. 电压驻波比	≤2.0
Antenna Gain 增益	3.0dBi±0.5@2.4GHz
Return Loss 回波损耗	-9.2dB MAX

机械参数(Mechanical parameters):

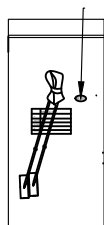
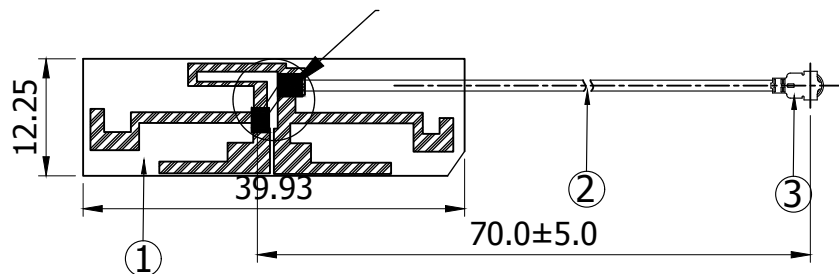
RF Cable Model 射频线型号	RG0.81
Connect Type 接口方式	I-PEX

工作/储存温度 (Operating/ Storage Temperature) :

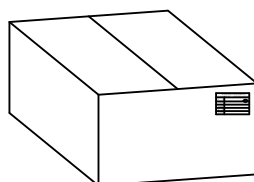
Operating Temperature 工作温度	-40~85℃
Storage Temperature 储存温度	-40~85℃

成品图

REV	DATE	DESCRIPTION
A	2023.12.13	New Issue



Pack full: 200pcs/PE Bag



Specification:
Frequency Range : 2.4~2.5GHz
Return loss: -9.2dB or less
VSWR: 1.92:1max
Gain(Peak): 3.0dBi

3	Connector	I-PEX II	1	
2	Cable	RG-0.81 RF Cable 50Ω,Black	1	
1	Antenna Cap	FPC:39.93*12.25*0.2mm, OSP,Black	1	
NO	PART NAME	DESCRIPTION	Q'TY	REMARK

XXX.	±5.0	APPROVED	CUSTOMER				
XX.	±2.0		PART NO				
X.	±0.5	CHECKED	PART NAME				
.X	±0.2		QY P/NO				
.XX	±0.1	DRAWING	REV	UNIT	SCALE	SIZE	SHEET
⌀			A	mm	1/1	A 4	1 OF 1

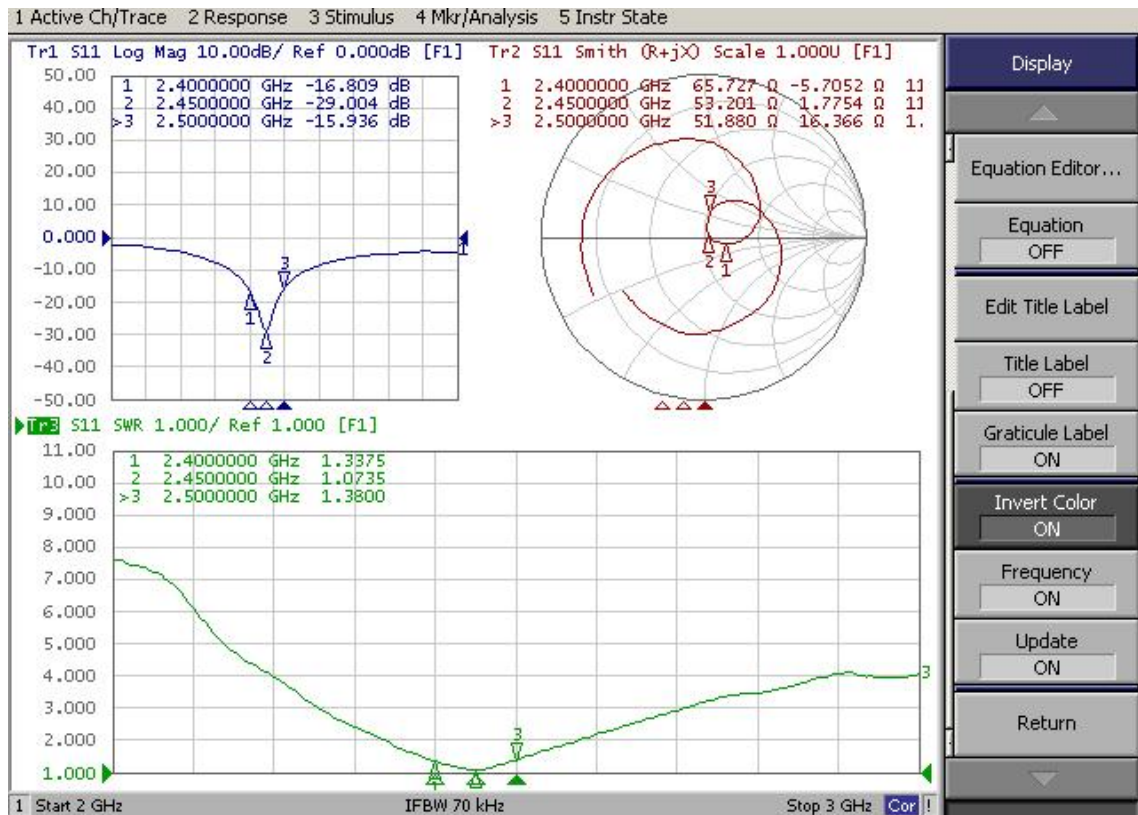
 Dongguanshi Qiyuan
Electronic Technology Co., Ltd.
东莞市启元电子科技有限公司

ENGINEERING DRAWING



测试参数(Testing Parameters)

阻波比&回波损耗(V.S.W.R&Return Loss)



增益&效率(Gain&Efficiency)

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Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-3.04	-3.04	-2.91	-2.55	-2.93	-2.83	-3.11	-3.00	-3.16	-3.18	-3.29
Gain (dBi)	2.97	2.87	2.91	2.83	2.94	3.01	2.83	2.81	2.89	3.01	2.97
Efficiency (%)	43.68	43.64	44.14	43.56	43.94	45.10	43.91	44.12	43.33	43.08	42.93



2D、3D Radiation Patter

