

Model:TLPA26.5G40G-40-40
Power Amplifier
26.5-40GHz,Gain:40dB,Psat:40dBm
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain: 40dB Min
- Psat Output Power: 40dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical:

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	26.5-40			GHz
功率增益 Power Gain	40			dB
增益平坦度 Gain Flatness		±4.5		dB
饱和输出功率 Output Psat	40	41		dBm
输入功率Input Power		0	10	dBm
杂散Spurious@Pout=40dBm	50			dBc
输入驻波 Input VSWR		2.0	2.5	:1
直流电压 DC Voltage		+22	+24	V DC
电流 Current			7.5	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

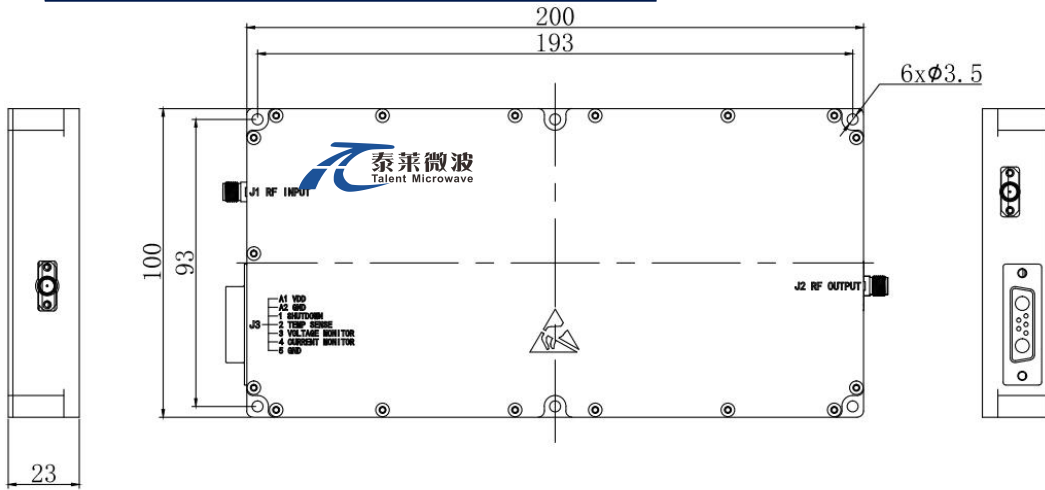
参数Parameter	指标 Value	单位Units
输入输出接口Input /Output Connector	2.92mm Female/2.92mm Female	
DC加电接口 DC Power Interface	SUB-7W2	
尺寸 Size	200*100*23	mm
重量 Weight	<3	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	24 V
输入功率 RF INPUT POWER	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: mm(Inches)



SUB-7W2 Define	
引脚 Pin #	功能 Function
A1	+20V
A2	GND
PIN1	TTL (high for open, low for close)
PIN2	Current Monitor
PIN3	Temperature Monitor
PIN4,5	GND

*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	0		+40	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA26.5G40G-40-40	Power amplifier 26.5-40GHz, Gain:40dB, Psat:40dBm, +24V DC, Without Heatsink	Rev.1.1
TLPA26.5G40G-40-40-HS	Power amplifier 26.5-40GHz, Gain:40dB, Psat:40dBm, +24V DC, With Heatsink	Rev.1.1