

Model:TLPA26.5G40G-47-47
Power Amplifier
26.5-40GHz,Gain:47dB,Psat:47dBm
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain: 47dB Min
- Psat Output Power: 47dBm 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	47			dB
增益平坦度 Gain Flatness		±4.5		dB
饱和输出功率 Output Psat	47			dBm
输入功率 Input Power	-3	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			30	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

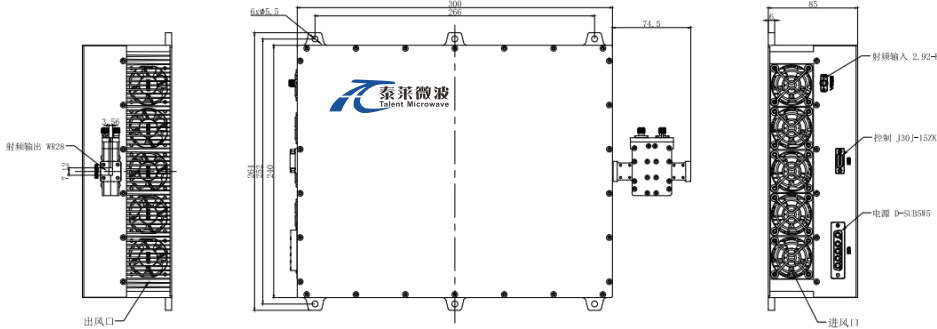
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92mm Female/WR28	
DC加电接口 DC Power Interface	SUB-2W2	
控制及检测接口 Control and Test interface	J30J-9ZKP	
正向耦合 Forward Coupling Connector	2.92mm Female	
反向耦合 Reverse Coupling Connector	2.92mm Female	
尺寸 Size	300*264*85	mm
重量 Weight	<10	Kg

绝对最大值 Absolute Maximum Ratings:

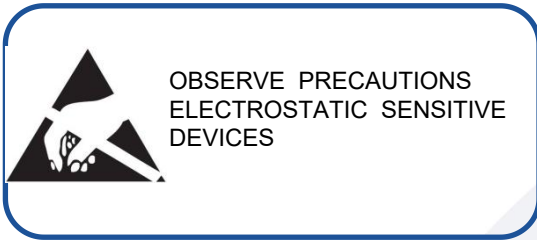
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	24 V
输入功率 RF INPUT POWER	10 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸Outline Drawing:

Unit: mm(Inches)



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



SUB-2W2 Define	
引脚 Pin #	功能Function
A1	+24V
A2	GND
PIN1	TTL (high for open, low for close)
PIN2	Current Monitor
PIN3	Temperature Monitor
PIN4	0.5dB Attenuation
PIN5	1dB Attenuation
PIN6	2dB Attenuation
PIN7	4dB Attenuation
PIN8	8dB Attenuation
PIN9	16dB Attenuation
PIN10-15	GND

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-47-47	Power amplifier 26.5-40GHz, Gain:47dB, Psat:47dBm, +24V DC, Without Heatsink	Rev.1.1
TLPA26.5G40G-47-47-HS	Power amplifier 26.5-40GHz, Gain:47dB, Psat:47dBm, +24V DC, With Heatsink	Rev.1.1