

Model:TLPA26.5G40G-32-34
Power Amplifier
26.5-40GHz,Gain:32dB,Psat:34dBm
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain:30dB Min
- Psat Output Power:34dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	26.5-40			GHz
增益 Gain	30	32		dB
增益平坦度 Gain Flatness		±2.5		dB
线性输出功率 Output P1dB		33		dBm
饱和输出功率 Output Psat		34		dBm
输入驻波 Input VSWR		2		:1
输出驻波 Output VSWR		2		:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current		4		A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92 Female/2.92 Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	55*56*12	mm
重量 Weight	/	g

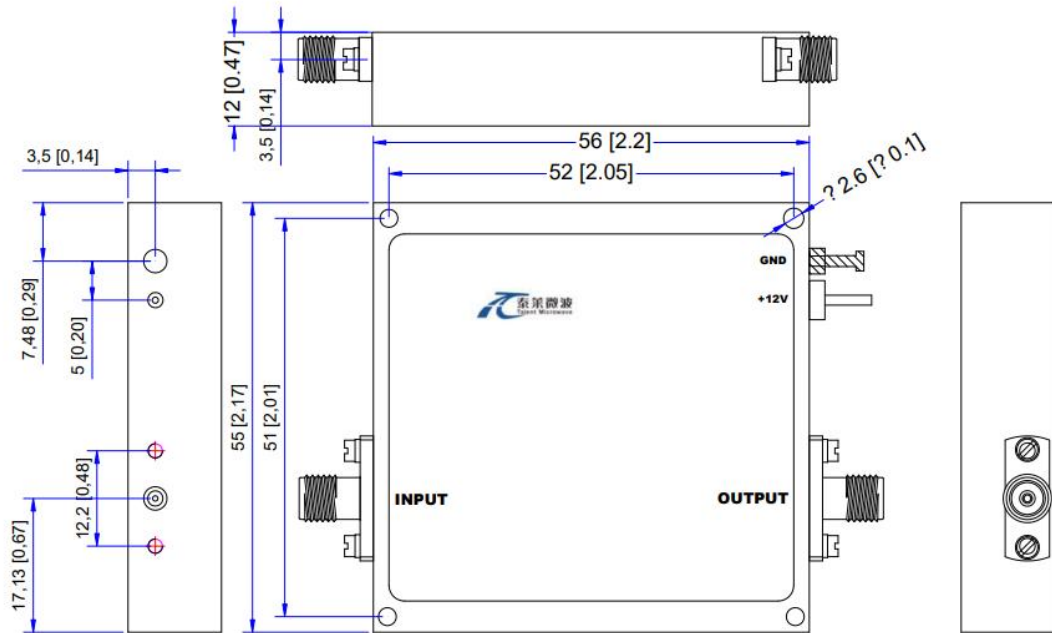
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+12V
输入功率 RF Input Power	10 dBm
ESD灵敏度 ESD sensitivity (HBM)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

外形尺寸 Outline Drawing:

Unit: mm



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



温度环境 Environmental Conditions:

参数Parameter	Min	Typ	Max	单位Units
操作温度 Operating Temperature	-40		+75	°C
存储温度 Non-operating Temperature	-55		+125	°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-32-34	Power amplifier 26.5-40GHz, Gain:32dB, Psat:34dBm, +12V DC, Without Heatsink.	Rev.1.1
TLPA26.5G40G-32-34-HS	Power amplifier 26.5-40GHz, Gain:32dB, Psat:34dBm, +12V DC, With Heatsink.	Rev.1.1

典型曲线 Typical Performance Data:

VSWR&Gain vs Frequency

