

TURPA0.3G5G-2532

Power Amplifier

0.3-5GHz, Gain: 25dB, P1dB: 30dBm

Feature:

- Ultra Wide Band: 0.3-5GHz
- Gain: 25dB Min
- Psat Output Power: 32 dBm 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	0.3-5			GHz
增益 Gain	25			dB
增益平坦度 Gain Flatness		±2.0		dB
线性输出功率 Output P1dB		30		dBm
饱和输出功率 Output Psat	32			dBm
输入驻波 Input VSWR		1.8		:1
输出驻波 Output VSWR		1.8		:1
直流电压 DC Voltage	9	12	15	V DC
直流电流 DC Current		0.7	0.9	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	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	30*50*12	mm
重量 Weight	/	g

绝对最大值 Absolute Maximum Ratings:

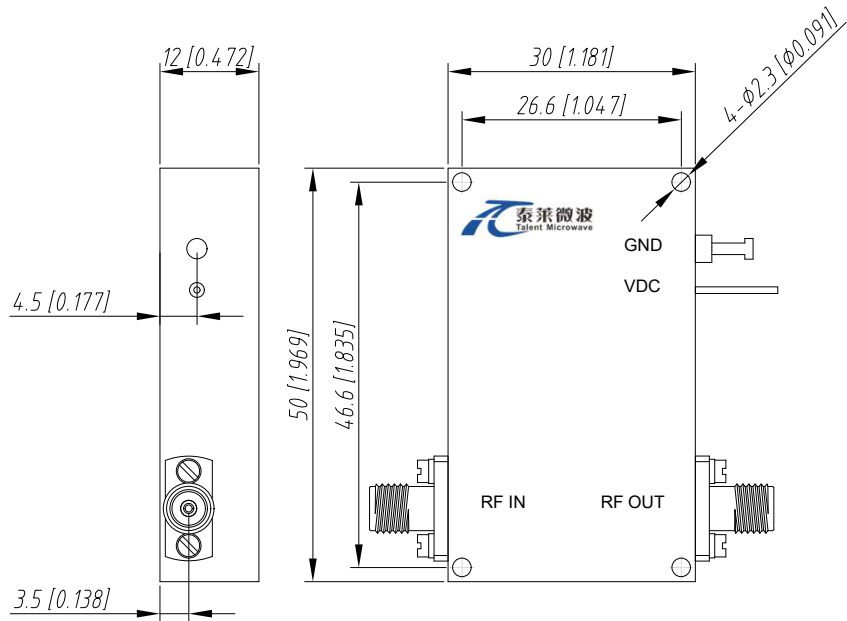
参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+15V
输入功率 RF INPUT POWER	14 dBm



Available 220V System
Benchtop Amplifier

外形尺寸Outline Drawing:

Unit: mm(inches)



***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	-45		+85	℃
存储温度 Non-operating Temperature	-55		+125	℃
相对湿度 Relative humidity	100%RH at 35℃, 95%RH at 40℃			
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
TURPA0.3G5G-2532	Power amplifier 0.3-5GHz,Gain:25dB,P1dB:30dBm,9~15V DC,	Rev.1.0

典型曲线 Typical Performance Data:

Gain&VSWR VS. Frequency

