

Model: TPA8G26.5G-40-25
Power Amplifier
8-26.5GHz, Gain: 40dB, Psat: 25dBm
Feature:

- Ultra Wide Band: 8-26.5GHz
- Gain: 40dB Min
- Psat Output Power: 25dBm Min
- 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	8-26.5			GHz
增益 Gain	40	42		dB
增益平坦度 Gain Flatness		±2.5		dB
饱和输出功率 Output Psat	25	27		dBm
输入驻波 Input VSWR		2	2.5	:1
输出驻波 Output VSWR		1.8	2.4	:1
直流电压 DC Voltage	+10	+12	+15	V DC
直流电流 DC Supply Current	700			mA
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	SMA Female/SMA Female	
直流偏置 DC Bias	Solder Pin	
尺寸 Size	52*44*13	mm
重量 Weight	/	g

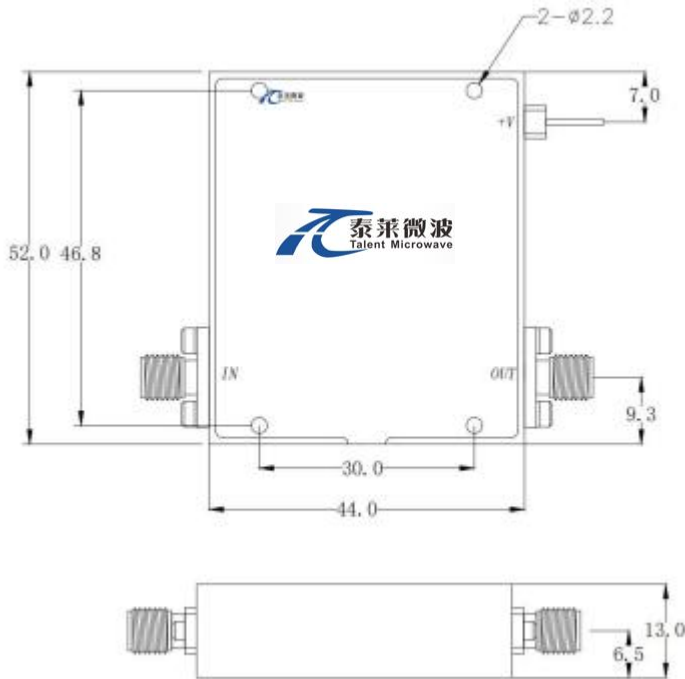
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF Input Power	TBD
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**



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	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	30,000			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
TLPA8G26.5G-40-25	Power amplifier 8-26.5GHz, Gain:40dB, Psat:25dBm, +12V DC, Without Heatsink.	Rev.1.1
TLPA8G26.5G-40-25-HS	Power amplifier 8-26.5GHz, Gain:40dB, Psat:25dBm, +12V DC, With Heatsink.	Rev.1.1