

Model:TLPA26G40G-30-27-2
Power Amplifier
26.5-40GHz,Gain:32dB,P1dB:26dBm
Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain: 30dB Min
- Psat Output Power: 30 dBm Typ
- 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
小信号增益 small signal Gain	30	32		dB
增益平坦度 Gain Flatness		±3.0		dB
线性输出功率P1dB		26		dBm
饱和输出功率 Psat	27	30		dBm
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
直流电压 DC Voltage		+12		V DC
直流电流 DC Supply Current	1.25			A
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

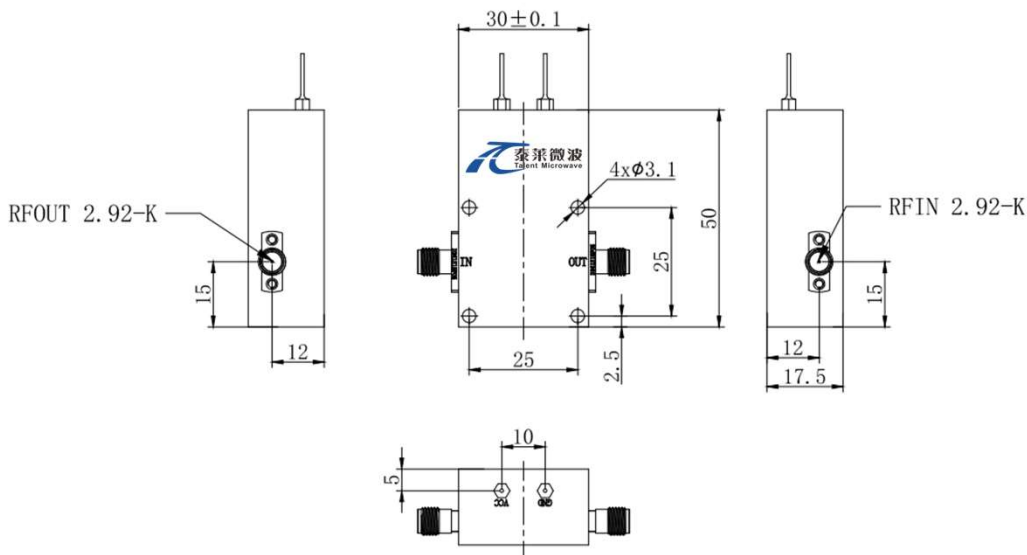
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	30*50*17.5	mm
重量 Weight	/	g


**Available 220V System
Benchtop Amplifier**
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	
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



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



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

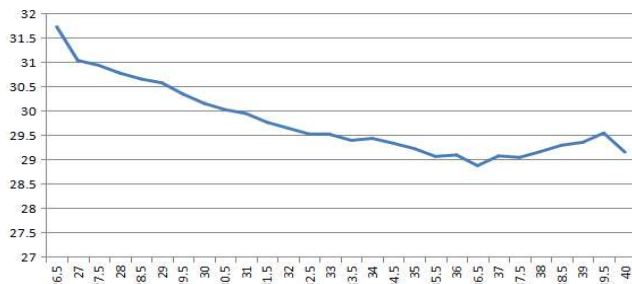
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-40		+75	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

订货信息 Ordering Information:

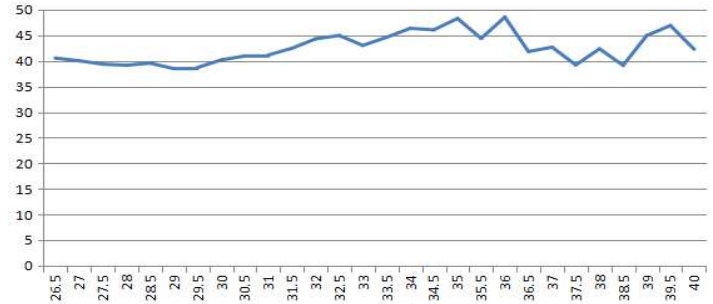
标准型号 Part Number	描述 Description	版本号Revision
TLPA26G40G-30-27-2	Power amplifier 26.5-40GHz, Gain:32dB, P1dB:26dBm, 12V DC, Without Heatsink	Rev.1.1
TLPA26G40G-30-27-2-HS	Power amplifier 26.5-40GHz, Gain:32dB, P1dB:26dBm, 12V DC, With Heatsink	Rev.1.1

典型曲线 Typical Performance Data:

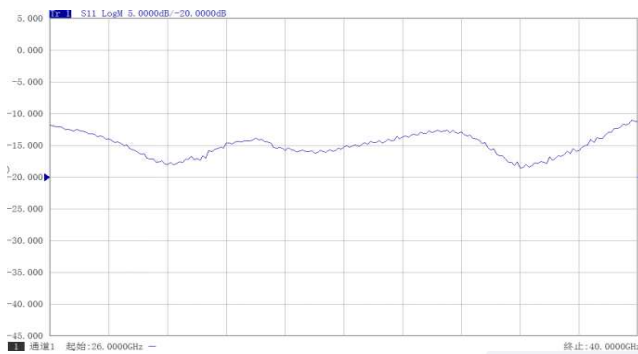
Psat VS. Frequency



Gain VS. Frequency



Input VSWR VS. Frequency



Output VSWR VS. Frequency

