

Model:TLPA18G40G-33-27
Power Amplifier
18-40GHz,Gain:33dB,Psat:27dBm
Feature:

- Ultra Wide Band: 18-40GHz
- Gain: 33dB Typ
- Psat Output Power: 27 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	18-40			GHz
增益 Gain		33		dB
增益平坦度 Gain Flatness		±2.5		dB
输入功率P1dB		27		dBm
饱和输出功率 Psat	27	28		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	1.2			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Input /Output Connector	2.92mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	60*50*12	mm
重量 Weight	/	g

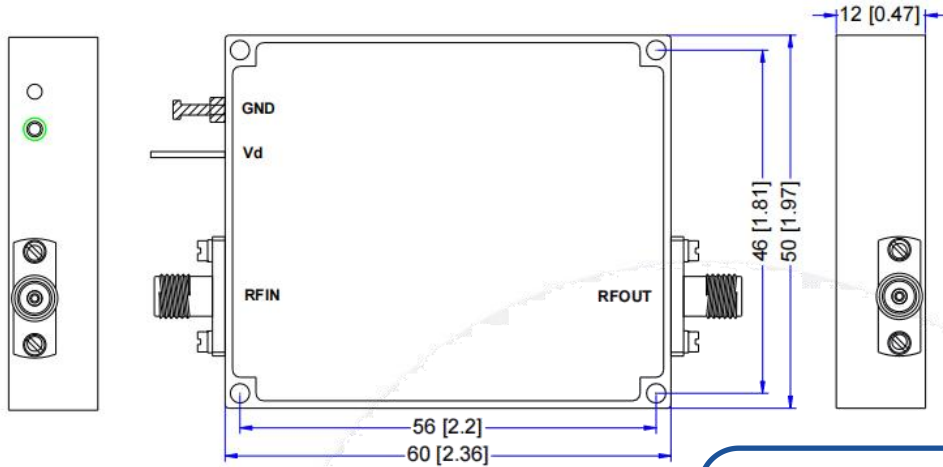

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	TBD
输入功率 RF INPUT POWER	0 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**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

温度环境 Environmental Conditions:

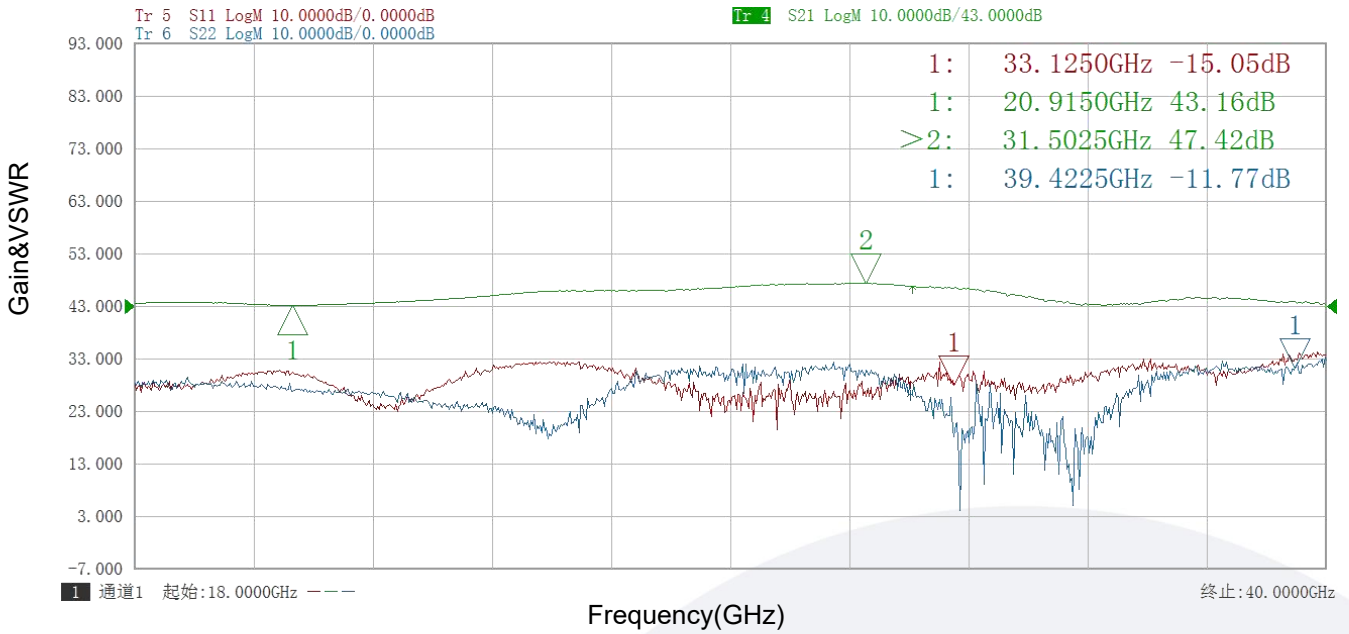
参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-40		+75	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude		30,000		feet
震动 Shock / Vibration(MIL-STD-810F)		20g,11ms,saw-tooth		
冲击 Shock(non operating)		20G for 11msc half sin wave,3 axis both directions		

订货信息 Ordering Information:

标准型号 Part Number	描述 Description	版本号Revision
TLPA18G40G-33-27	Power amplifier 18-40GHz,Gain:33dB,12V DC,2.92mm Female,Without Heatsink	Rev.1.1
TLPA18G40G-33-27-HS	Power amplifier 18-40GHz,Gain:33dB,12V DC,2.92mm Female,With Heatsink	Rev.1.1

典型曲线 Typical Performance Data:

Gain&VSWR VS Frequency



P1dB VS Frequency

