

Model:TLPA40G67G-51-24
Power Amplifier
40-67GHz,Gain:51dB,Psat:24dBm
Feature:

- Ultra Wide Band: 40-67GHz
- Gain: 51dB Typ
- Psat Output Power: 24 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	40-67			GHz
增益 Gain		51		dB
小信号增益 Small-signal Gain		-		dB
饱和输出功率 Output Psat		24		dBm
输入驻波 Input VSWR		2.0		:1
输出驻波 Output VSWR		2.0		:1
最大输入功率 Input Max Power		-10		dBm
直流电压 DC Voltage		+18		V DC
直流电流 DC Supply Current	0.5			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	1.85mm Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	44*52*13	mm
重量 Weight	/	g

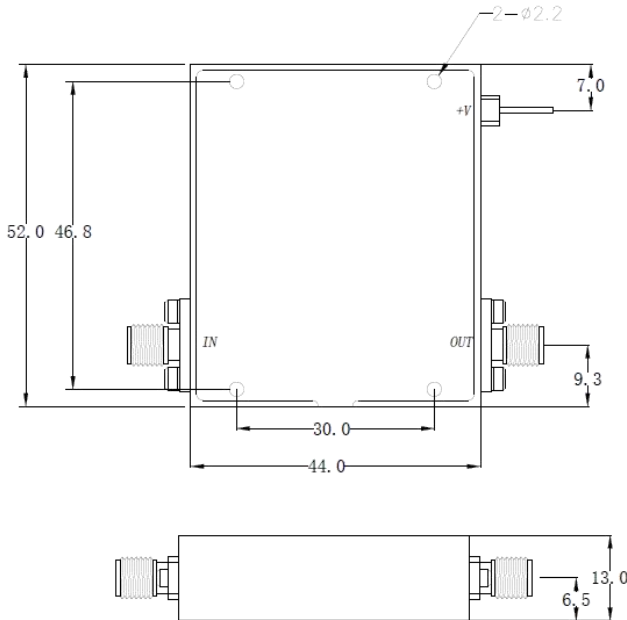

 Available 220V System
 Benchtop Amplifier

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	18 V
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(inches)



*****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	-45		+85	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	10000		30000	feet
震动 Shock / Vibration(MIL-STD-810F)	Airborne			
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
TLPA40G67G-51-24	Power amplifier 40-67GHz,Gain:51dB,Psat:24dBm,18V DC, Without Heatsink	Rev.1.1
TLPA40G67G-51-24-HS	Power amplifier 40-67GHz,Gain:51dB,Psat:24dBm,18V DC, With Heatsink	Rev.1.1