

Model:TLPA60M0.3G-30-36
Power Amplifier
60MHz-0.3GHz, Gain:30dB, P1dB:36dBm
Feature:

- Frequency range: 60MHz-0.3GHz
- Gain: 30dB Min
- P1dB Output Power: 36 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	0.06-0.3			MHz
增益 Gain	30			dB
增益平坦度 Gain Flatness		±1.0	±2.0	dB
线性输出功率P1dB	36			dBm
饱和输出功率Psat	37			dBm
最大输入功率Input Max Power			12	dBm
输入驻波 Input VSWR			2.0	:1
直流电压 DC Voltage		28		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	SMA -K/SMA-K	
直流偏置 Bias	Solder Pin	
尺寸 Size	130*140*23	mm
重量 Weight	/	g

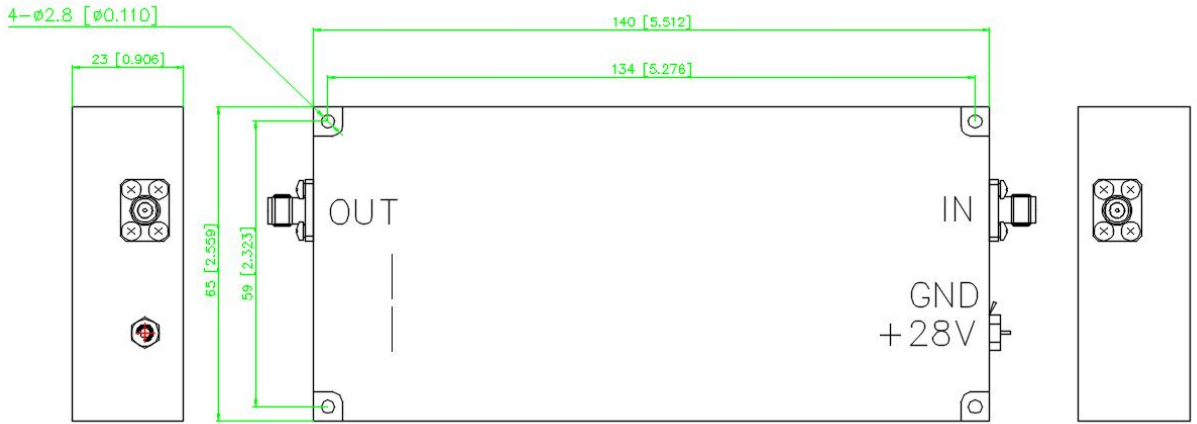
绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	28v
输入功率 RF INPUT POWER	12 dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V


 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	°C
存储温度 Non-operating Temperature	-55		+125	°C
相对湿度 Relative humidity	100%RH at 35°C, 95%RH at 40°C			%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	20G for 11msc half sin wave,3 axis both directions/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
TLPA60M0.3G-30-36	Power amplifier 60MHz-0.3GHz,Gain:30dB,P1dB:36dBm, 28V DC,Without Heatsink	Rev.1.0
TLPA60M0.3G-30-36-HS	Power amplifier 60MHz-0.3GHz,Gain:30dB,Psat:36dBm, 28V DC,With Heatsink	Rev.1.0