

Model: TLPA5.25G5.37G-45-43
Power Amplifier
5.25-5.37GHz, Gain:45dB, Psat:43dBm
Feature:

- Frequency : 5.25-5.37 GHz
- Gain: 45 dB Typ
- Psat Output Power: 43 dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output
- Over Temperature Protection
- Reverse power Protection

电气特性 Electrical Specifications:

参数 Parameter	Min	Typ	Max	单位 Units
频率范围 Frequency range	5.25-5.37			GHz
小信号增益 Small Signal Gain	40	45		dB
增益平坦度 Gain Flatness		±0.2	±0.25	dB
线性输出功率 Output P1dB	42.3	42.7		
饱和输出功率 Output Psat		43		dBm
杂散 Supurious	70			dBc
谐波抑制 Harmonic	50			dBc
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage	+28			V DC
直流电流 DC Supply Current	4			A
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	/	mm
重量 Weight	/	g

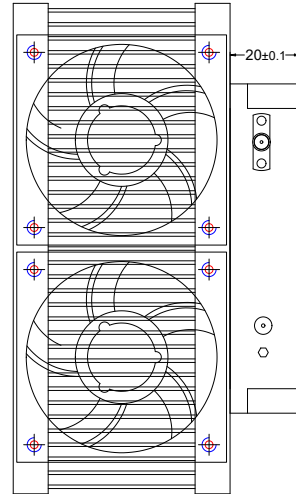
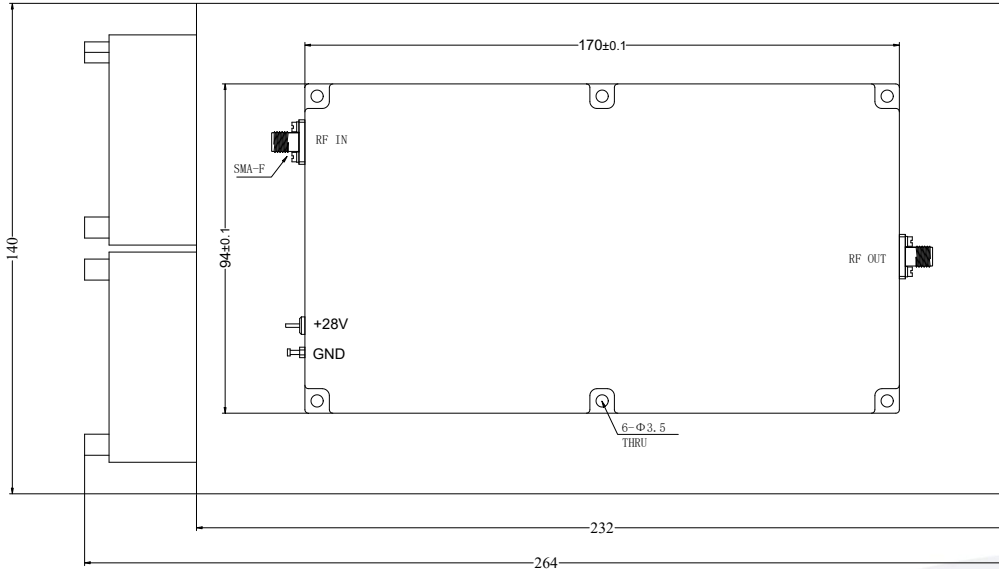
绝对最大值 Absolute Maximum Ratings:

参数 Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+28 V
输入功率 RF Input Power	+5 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



*****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
TLPA5.25G5.37G-45-43	Power amplifier 5.25-5.37GHz,Gain:45dB,Psat:43dBm,+28V DC,Without Heatsink	Rev.1.0
TLPA5.25G5.37G-45-43-HS	Power amplifier 5.25-5.37GHz,Gain:45dB,Psat:43dBm,+28V DC,With Heatsink	Rev.1.0