

## Model:TLPA2200M2400M-30-40

## Power Amplifier

2200MHz-2400MHz,Gain:30dB,Psat:40dBm

### Feature:

- Wide Band: 2200MHz-2400GHz
- Gain: 30dB Min
- Psat Output Power: 40 dBm Min
- Built-in isolator
- 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	2200-2400			MHz
增益 Gain	30	33		dB
增益平坦度 Gain Flatness		±0.5	±1	dB
饱和输出功率Psat	40	43		dBm
谐波抑制@Pout=40dBm	60	65		dBc
杂散抑制@Pout=40dBm	60	65		dBc
输入驻波 Input VSWR		1.3	1.5	:1
输入功率 RF Input POWER	17		33	dBm
输出驻波 Onput VSWR			2	:1
直流电压 DC Voltage	18	28	36	V DC
直流电流 DC Supply Current		0.7	3	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 Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	170X140X40	mm
重量 Weight	<1300	g

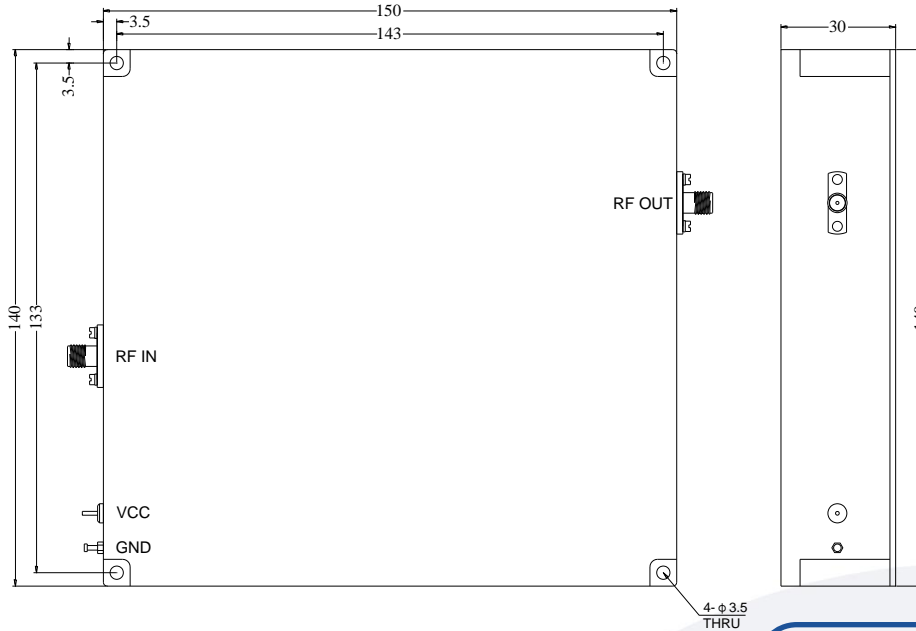


### 绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	36
输入功率 RF INPUT POWER	+33dBm
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	-45		+85	°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)	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
TLPA2200M2400M-30-40	Power amplifier 2200MHz-2400MHz, Gain:30dB, Psat:40dBm, 28V DC, Without Heatsink	Rev.1.0
TLPA2200M2400M-30-40-HS	Power amplifier 2200MHz-2400MHz, Gain:30dB, Psat:40dBm, 28V DC, With Heatsink	Rev.1.0