

Model:TLPA1G6G-52-50
Power Amplifier
1000MHz-6000MHz,Gain:52dB,Psat:50dBm
Feature:

- Ultra Wide Band: 1000MHz-6000MHz
- Gain: 52dB Typ
- Psat Output Power: 50 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	1000-6000			MHz
增益 Gain	50	52		dB
增益平坦度 Gain Flatness		±3dB	±5dB	dB
饱和输出功率Psat	50	51		dBm
谐波抑制@Pout=50dBm		-12		dBc
输入驻波 Input VSWR		1.5	2.0	:1
直流电压 DC Voltage		36		V DC
直流电流 DC Supply Current		3	22	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical :

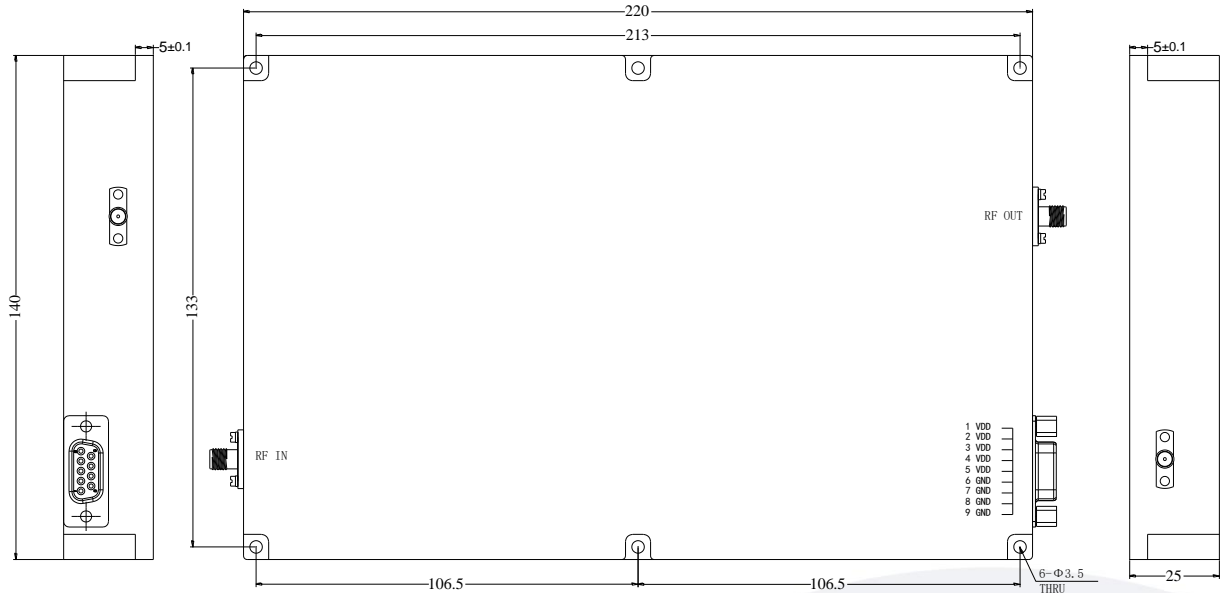
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female	
直流偏置 Bias	Solder Pin	
尺寸 Size	2200X140X25	mm
重量 Weight	250	g

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	38
输入功率 RF INPUT POWER	5 dBm
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
TLPA1G6G-52-50	Power amplifier 1000MHz-6000MHz, Gain:50dB, Psat:50dBm, 36V DC, Without Heatsink	Rev.1.0
TLPA1G6G-52-50-HS	Power amplifier 1000MHz-6000MHz, Gain:50dB, Psat:50dBm, 36V DC, With Heatsink	Rev.1.0