

Model:TLPA2G6.2G-45-45
Power Amplifier
2-6.2GHz,Gain:45dB,Psat:45dBm
Feature:

- Ultra Wide Band: 2-6.2GHz
- Gain:45dB Min
- Psat Output Power: 45dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

电气特性 Electrical Specifications:

参数Parameter	Min	Typ	Max	单位Units
频率范围 Frequency range	2-6.2			GHz
增益 Gain	45			dB
增益平坦度 Gain Flatness			±1.5	dB
饱和输出功率 Output Psat	44	45		dBm
杂散 Spurious			-60	dBc
谐波 Harmonics		-15		dBc
输入驻波 Input VSWR			2.0	:1
直流电压 DC Voltage		+28	+30	V DC
直流电流 DC Supply Current		4.5	5	A
阻抗 Impedance	50			Ohms

机械特性 Mechanical Specifications:

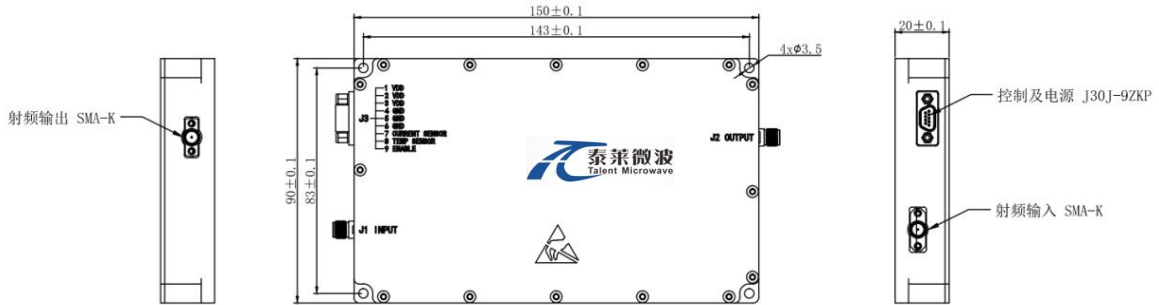
参数Parameter	指标 Value	单位Units
输入输出接口 Input /Output Connector	SMA Female/SMA Female	
控制及检测接口 Control and Test Interface	J30J-9ZKP	
尺寸 Size	150*90*20	mm
重量 Weight	1	Kg

绝对最大值 Absolute Maximum Ratings:

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+30V
输入功率 RF Input Power	10dBm
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

外形尺寸 Outline Drawing:

Unit: mm



***Heat Sink Required During Operation

J30J-9ZKP引脚定义

引脚 Pin	功能 Function
Pin1-3	+28V
Pin4-6	GND
Pin7	电流检测(模拟电压, 提供电流/电压对照表)
Pin8	温度检测(模拟电压, 提供温度/电压对照表)
Pin9	使能(高电平有效, 低电平及悬空无效)



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		+60	°C
存储温度 Non-operating Temperature	-45		+65	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			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
TLPA2G6.2G-45-45	Power amplifier 2-6.2GHz,Gain:45dB,Psat:45dBm, +28V DC,Without Heatsink	Rev.1.1
TLPA2G6.2G-45-45-HS	Power amplifier 2-6.2GHz,Gain:45dB,Psat:45dBm, +28V DC,With Heatsink	Rev.1.1