

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

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	2-6.2			GHz
Gain	45			dB
Gain Flatness			±1.5	dB
Output Psat	44	45		dBm
Spurious			-60	dBc
Harmonics		-15		dBc
Input VSWR			2.0	:1
DC Voltage		+28	+30	V DC
DC Supply Current		4.5	5	A
Impedance	50			Ohms

Mechanical Specifications:

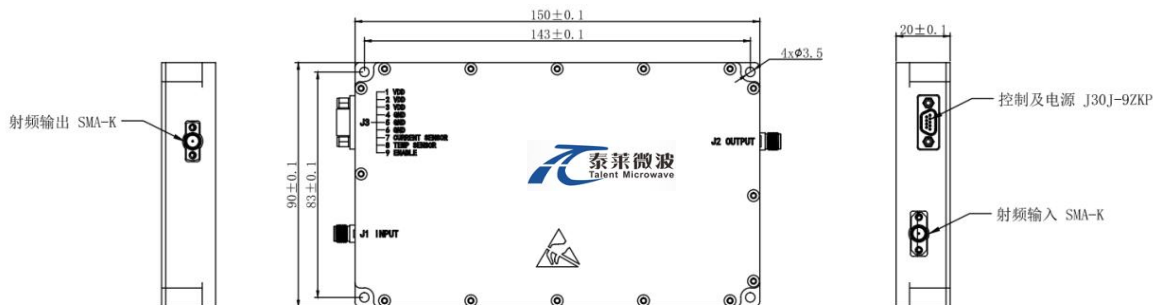
Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
Control and Test Interface	J30J-9ZKP	
Size	150*90*20	mm
Weight	1	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+30V
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: mm



***Heat Sink Required During Operation

J30J-9ZKP	
Pin	Function
Pin1-3	+28V
Pin4-6	GND
Pin7	Current detection (analog voltage, current/voltage comparison table provided)
Pin8	Temperature detection (analog voltage, temperature/voltage comparison table available)
Pin9	Enable (High level valid, low level and overhang invalid)



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