

Model: TLLA6G26.5G-18-20
Low Noise Amplifier
6-26.5GHz, NF:2.0dB, Gain:18dB, P1dB:13dBm
Feature:

- Ultra Wide Band: 6-26.5GHz
- Gain: 18dB Typ
- Noise Figure: 2.0dB Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	6-26.5			GHz
Gain		18	20	dB
Gain Flatness		±2.0		dB
Noise Figure		2	3	dB
Output P1dB		13		dBm
Output Psat		15		dBm
Input VSWR		2.2		:1
Output VSWR		2.2		:1
DC Voltage	6	8	14	V DC
DC Supply Current		50		mA
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	44.8*29.2*11	mm
Weight	50	g

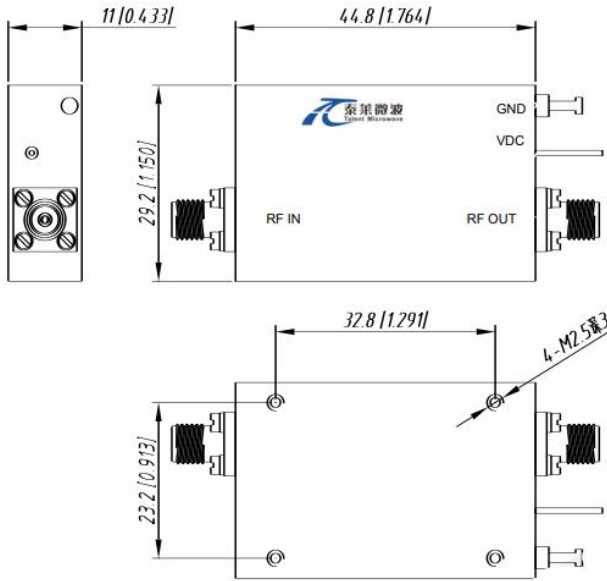
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+14V
RF Input Power	15 dBm
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm(inches)



*****Heat Sink Required During Operation**



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-25		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLLA6G26.5G-18-20	Low Noise Amplifier, 6-26.5GHz, Noise Figure:2.0dB, Gain:18 dB,P1dB:13dBm,+8V DC,Without Heatsink	Rev.1.1
TLLA6G26.5G-18-20-HS	Low Noise Amplifier, 6-26.5GHz, Noise Figure:2.0dB, Gain:18 dB,P1dB:13dBm,+8V DC,With Heatsink	Rev.1.1