

Model:TLPA8G26.5G-40-25

Power Amplifier

8-26.5GHz,Gain:40dB,Psat:25dBm

Feature:

- Ultra Wide Band: 8-26.5GHz
- Gain:40dB Min
- Psat Output Power:25dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	8-26.5			GHz
Gain	40	42		dB
Gain Flatness		±2.5		dB
Output Psat	25	27		dBm
Input VSWR		2	2.5	:1
Output VSWR		1.8	2.4	:1
DC Voltage	+10	+12	+15	V DC
DC Supply Current	700			mA
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	52*44*13	mm
Weight	/	g

Absolute Maximum Ratings:

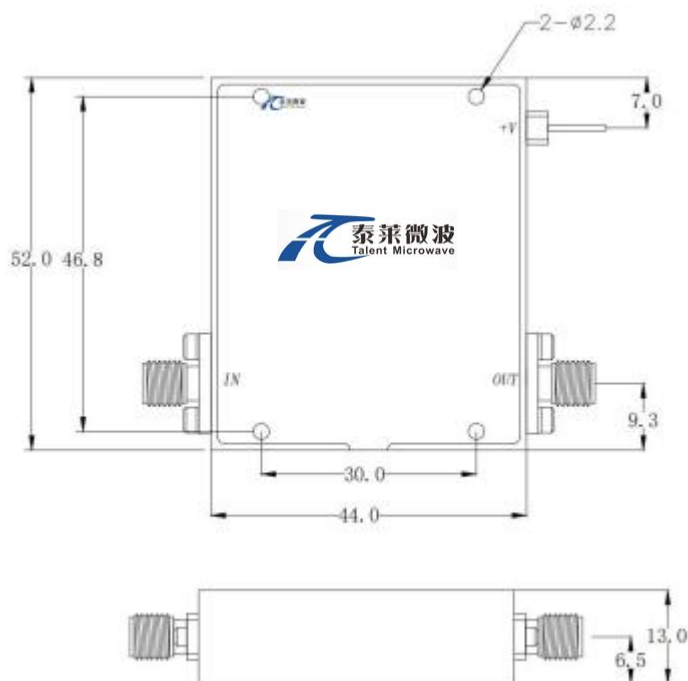
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



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

Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	30,000			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
TLPA8G26.5G-40-25	Power amplifier 8-26.5GHz,Gain:40dB,Psat:25dBm,+12V DC,Without Heatsink.	Rev.1.1
TLPA8G26.5G-40-25-HS	Power amplifier 8-26.5GHz,Gain:40dB,Psat:25dBm,+12V DC,With Heatsink.	Rev.1.1