

Model:TLPA26.5G40G-32-34

Power Amplifier 26.5-40GHz,Gain:32dB,Psat:34dBm

Feature:

- Ultra Wide Band: 26.5-40GHz
- Gain:30dB Min
- Psat Output Power:34dBm Typ
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	26.5-40			GHz
Gain	30	32		dB
Gain Flatness		±2.5		dB
Output P1dB		33		dBm
Output Psat		34		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		+12		V DC
DC Supply Current		4		A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	2.92 Female/2.92 Female	
DC Bias	Solder Pin	
Size	55*56*12	mm
Weight	/	g

Absolute Maximum Ratings:

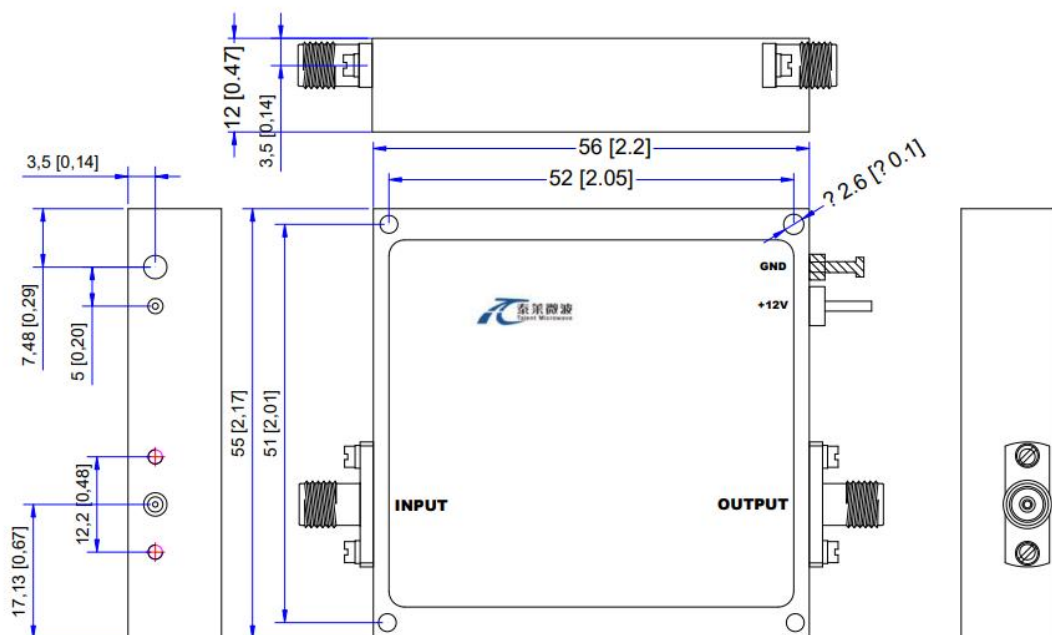
Parameter	Value
Supply Bias Voltage	+12V
RF Input Power	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	-40		+75	°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
TLPA26.5G40G-32-34	Power amplifier 26.5-40GHz,Gain:32dB,Psat:34dBm,+12V DC,Without Heatsink.	Rev.1.1
TLPA26.5G40G-32-34-HS	Power amplifier 26.5-40GHz,Gain:32dB,Psat:34dBm,+12V DC,With Heatsink.	Rev.1.1

Typical Performance Data:

VSWR&Gain vs Frequency

