

Model:TLPA40G67G-09-33

Power Amplifier 40-67GHz,Gain:9dB,Psat:33dBm

Feature:

- Ultra Wide Band: 40-67GHz
- Gain:9dB Typ
- Psat Output Power:33dBm Min
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	40-67			GHz
Gain		9		dB
Small-signal Gain		18		dB
Output Psat	33	34		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		+24		V DC
DC Supply Current		1.7		A
Impedance	50			Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	1.85 Female/1.85 Female	
DC Bias	Solder Pin	
Size	44*52*13	mm
Weight	/	g

Absolute Maximum Ratings:

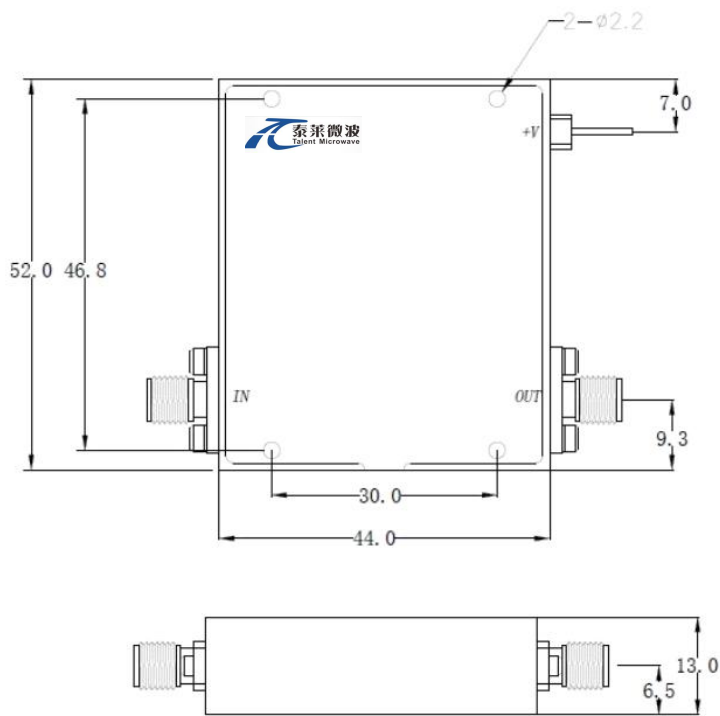
Parameter	Value
Supply Bias Voltage	+24V
RF Input Power	30dBm
ESD sensitivity (HBm)	Class 0, passed 150V



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	10000		30000	feet
Shock / Vibration(MIL-STD-810F)	Airborne			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA40G67G-09-33	Power amplifier 40-67GHz,Gain:9dB,Psat:33dBm,+24V DC,Without Heatsink.	Rev.1.1
TLPA40G67G-09-33-HS	Power amplifier 40-67GHz,Gain:9dB,Psat:33dBm,+24V DC,With Heatsink.	Rev.1.1