

Model:TLPA26.5G40G-49-43

Power Amplifier

26.5-40GHz, Gain:49dB, Psat:43dBm

Feature:

- Ultra Wide Band:26.5-40GHz
- Gain:49dB Typ
- Psat Output Power: 43dBm 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	46	49		dB
Gain Flatness		±4.5		dB
Output P1dB	40			dBm
Output Psat		43		dBm
Spurious			-50	dBc
Harmonics			-20	dBc
Input/Output VSWR		2	2.5	:1
DC Voltage		+24		V DC
DC Supply Current			9	A
Impedance	50			Ohms

Mechanical Specifications:

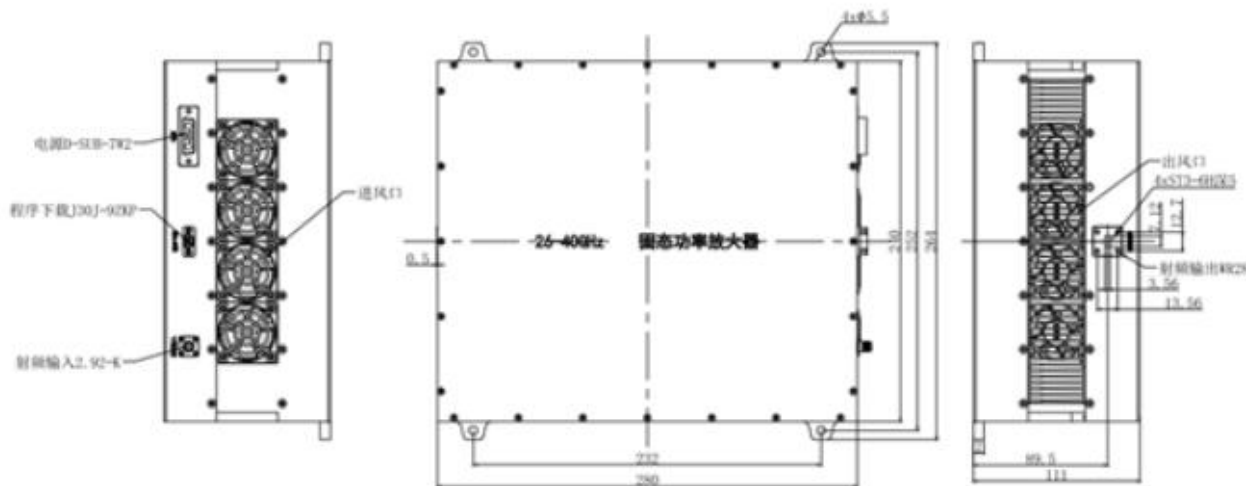
Parameter	Value	Units
Input /Output Connector	2.92 Female WR28	
DC Bias	Solder Pin	
Size	/	mm
Weight	11	Kg

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	A1:+24V;A2:GND
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Outline Drawing:

Unit: Inch



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

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)	20g,11ms,saw-tooth			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

Part Number	Description	Revision
TLPA26.5G40G-49-43	Power amplifier 26.5-40GHz,Gain:49dB,Psat:43dBm, +24V DC,Without Heatsink	Rev.1.1
TLPA26.5G40G-49-43-HS	Power amplifier 26.5-40GHz,Gain:49dB,Psat:43dBm, +24V DC,With Heatsink	Rev.1.1