

Model: TMPA-092096-2024-10

Power Amplifier

92-96 GHz, Gain:20 dB,Psat:24 dBm

Feature:

- Frequency Range:92-96 GHz
- Gain:20 dB Typ
- Output Power Psat:24 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	92-96			GHz
Gain		20		dB
Output Psat		24		dBm
Input VSWR		3		:1
Output VSWR		3		:1
DC Voltage	5	16		V DC
DC Supply Current	80	280		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	/	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(Inches)

Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+40	°C
Non-operating Temperature	-45		+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
TMPA-092096-2024-10	Power Amplifier,92-96 GHz, Gain:20 dB Typ,Psat:24 dBm Typ,16V DC,WR-10	Rev.1.1