

Model: TMPA-060090-4032-12

Power Amplifier
60-90GHz, Gain:38 dB, Psat:32 dBm

Feature:

- Frequency Range: 60-90 GHz
- Gain:38 dB Type
- Output Power Psat:32 dBm Type
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	60-90			GHz
Small Signal Gain		38		dB
Gain Flatness		±2.5		dB
Power Gain		28		dB
Output Psat		32		dBm
Input Return Loss		-8		dB
Output Return Loss		-10		dB
DC Voltage		16		V DC
DC Supply Current		1.9		A

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	50*50*20	mm
Weight	/	g

Absolute Maximum Ratings:

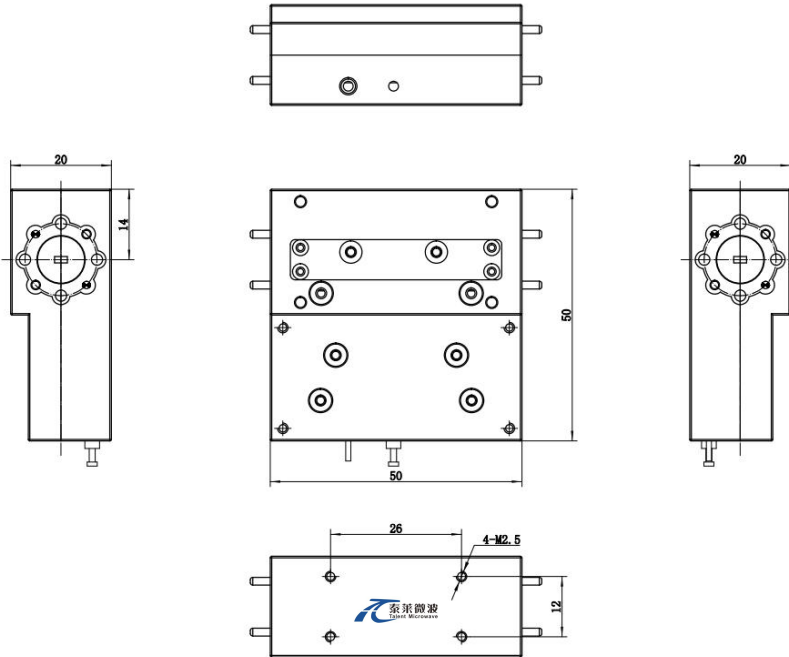
Parameter	Value
Supply Bias Voltage	+20 V
RF Input Power	17 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

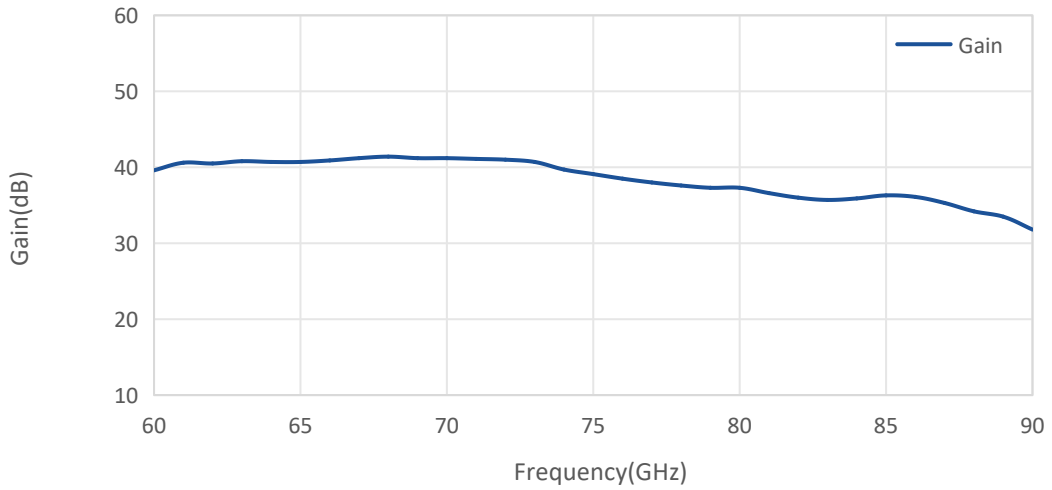
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

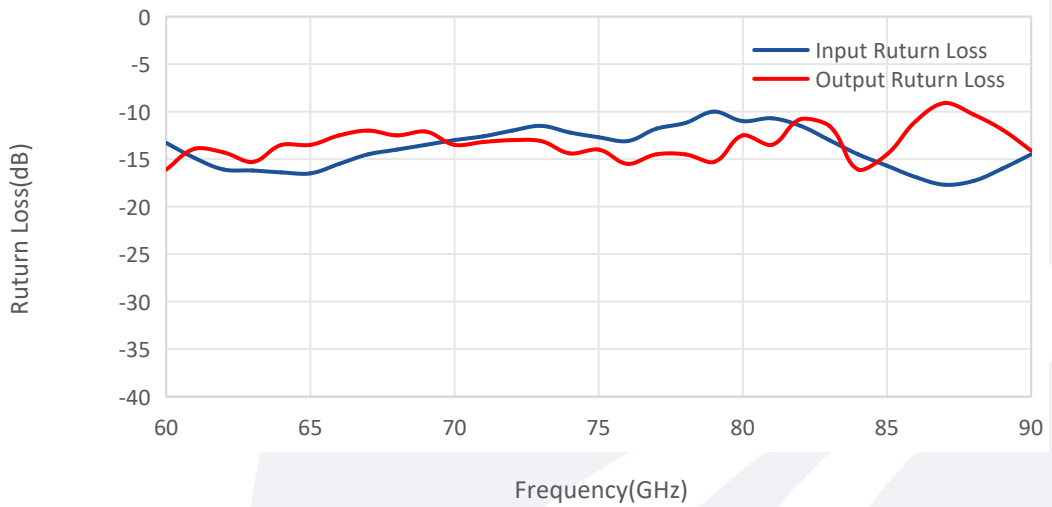
Part Number	Description	Revision
TMPA-060090-4032-12	Power Amplifier, 60-90 GHz, Gain:38 dB Type, Psat:32 dBm Type, +16V DC,WR-12	Rev.1.1

Typical Performance Data:

Gain vs Frequency



Return Loss vs Frequency



Psat vs Frequency

