

Model: TMPA-055090-2019-12
Power Amplifier
55-90 GHz, Gain:20 dB,Psat:19 dBm
Feature:

- Frequency Range:55-90 GHz
- Gain:20 dB Typ
- Output Power Psat:19 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	55-90			GHz
Gain		20		dB
Output Psat		19		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		5		V DC
DC Supply Current		280		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	35*22*30	mm
Weight	/	g

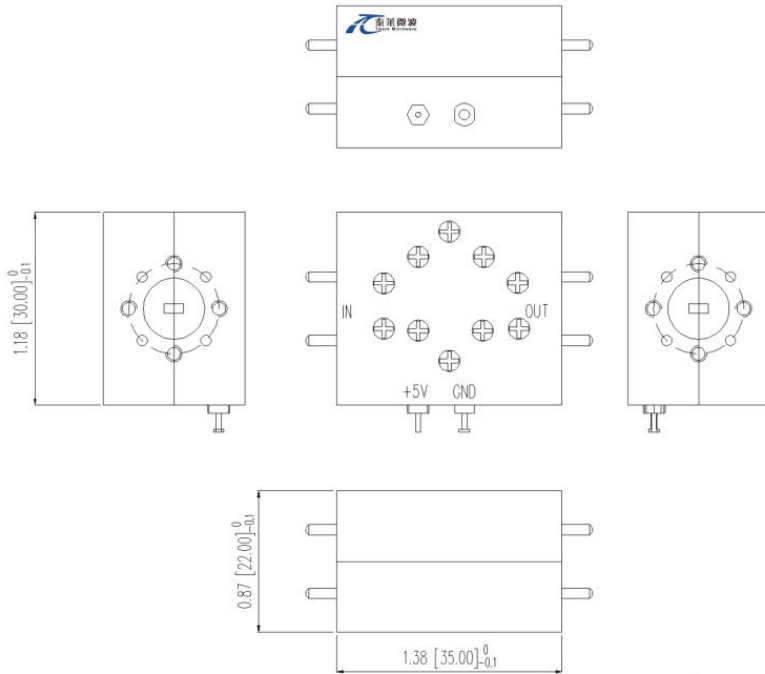
Absolute Maximum Ratings:

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


**Available 220V System
 Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

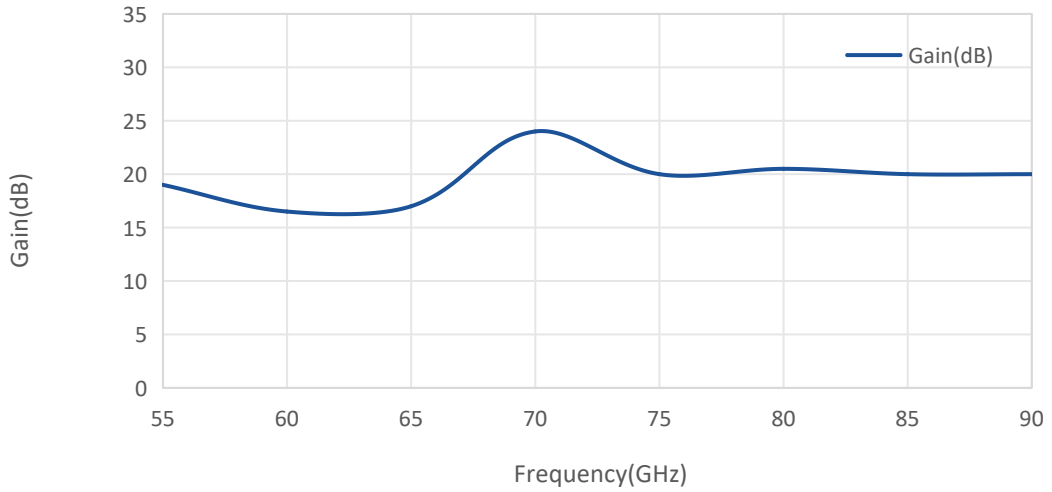
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

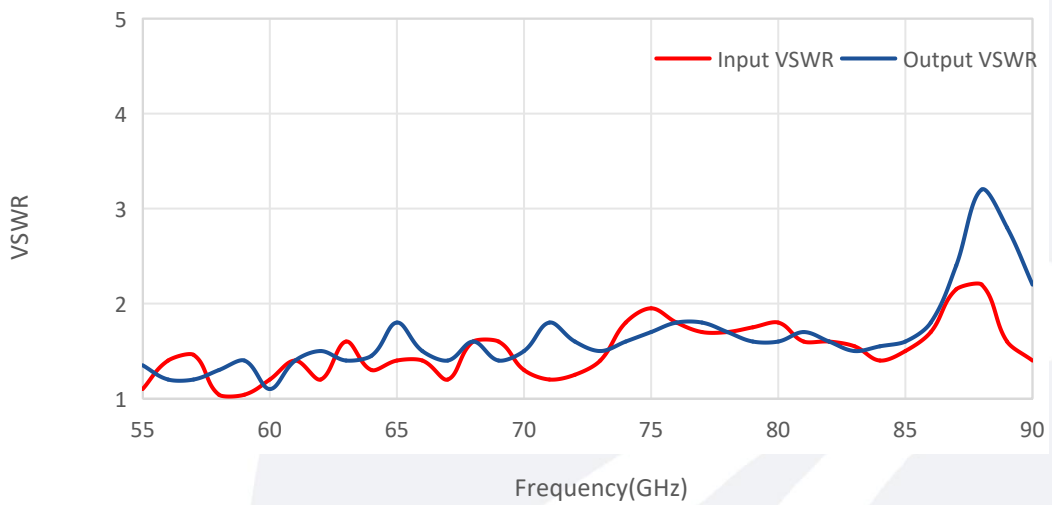
Part Number	Description	Revision
TMPA-055090-2019-12	Power Amplifier,55-90 GHz, Gain:20 dB Typ,Psat:19 dBm Typ,5V DC,WR-12	Rev.1.1

Typical Performance Data:

Gain vs Frequency



VSWR vs Frequency



Psat vs Frequency

