

Model: TMPA-210230-1320-04
Power Amplifier
210-230 GHz, Gain:13.5 dB,Psat:20 dBm
Feature:

- Frequency Range:210-230 GHz
- Gain:13.5 dB Typ
- Output Power Psat:20 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	210-230			GHz
Gain	9.5	13.5	17	dB
Output Psat	19	20	20.3	dBm
Input VSWR		1.5		:1
Output VSWR		2.3		:1
DC Voltage		5-8		V DC
DC Supply Current		1350		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-04/UG-387/U	
DC Bias	Solder Pin	
Size	/	mm
Weight	/	g

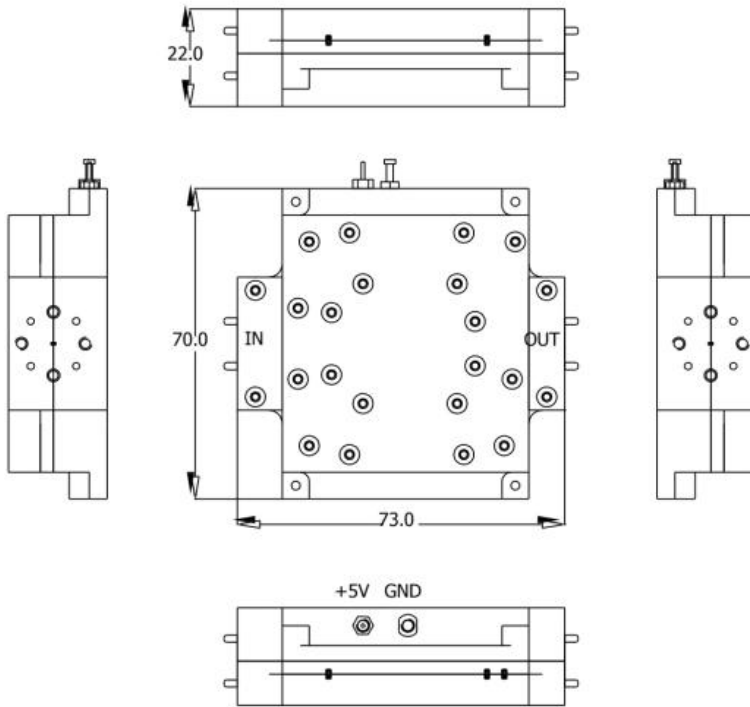
Absolute Maximum Ratings:

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


**Available 220V System
 Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



Define	
Pin	Function
1	RF Input
2	RF Output
3	+5V
4	GND

Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

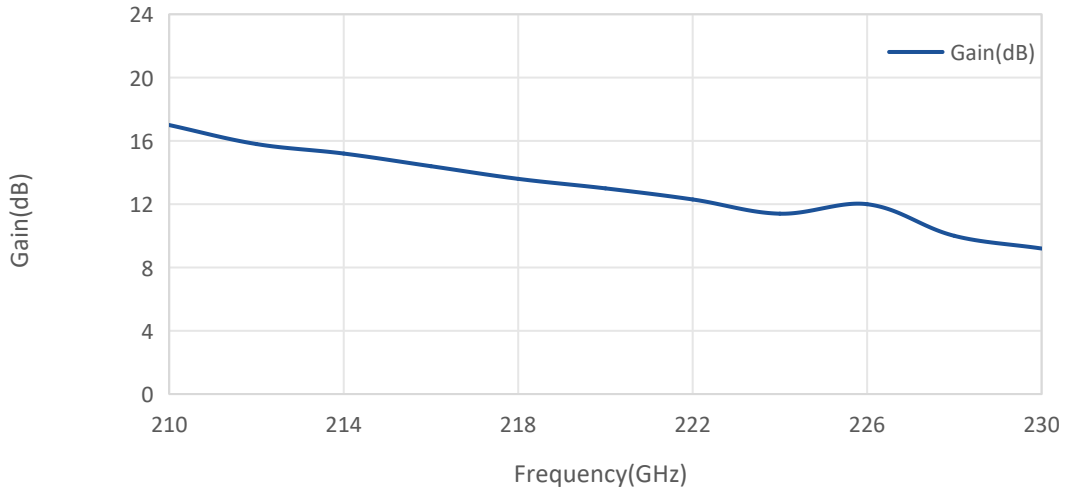
Parameter	Min	Typ	Max	Units
Operating Temperature	0		+25	°C
Non-operating Temperature	0		+50	°C
Relative humidity		95		%
Altitude		50,000		feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

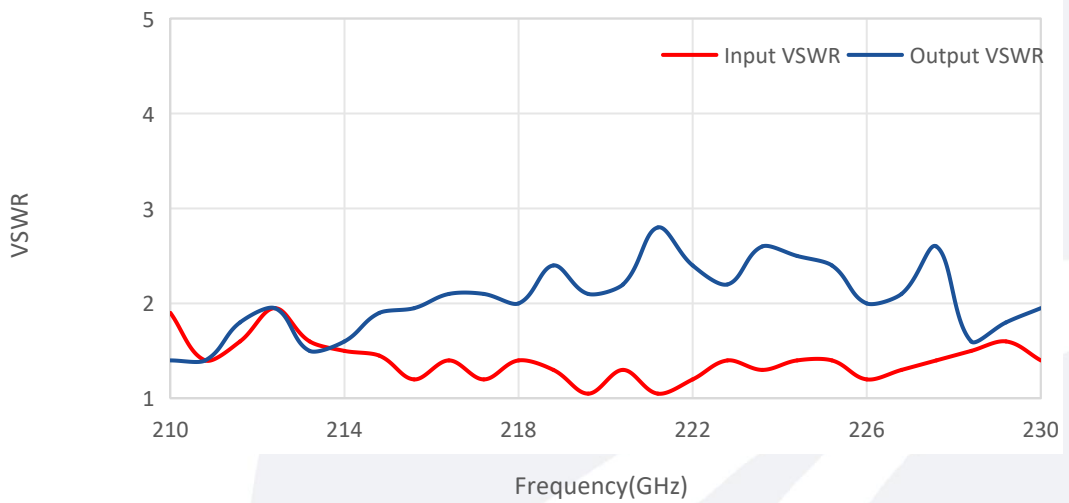
Part Number	Description	Revision
TMPA-210230-1320-04	Power Amplifier,210-230 GHz, Gain:13.5 dB Typ, Psat:20 dBm Typ,8V DC,WR-04	Rev.1.1

Typical Performance Data:

Gain vs Frequency



VSWR vs Frequency



Psat vs Frequency

