

Model: TMPA-075110-1820-10
Power Amplifier
75-110 GHz, Gain:18 dB, Psat:20 dBm
Feature:

- Frequency Range:75-110 GHz
- Gain:18 dB Typ
- Output Power Psat:20 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	75-110			GHz
Gain		18		dB
Output Psat	17	20		dBm
Input VSWR		3		:1
Output VSWR		3		:1
DC Voltage		12		V DC
DC Supply Current		350		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	/	mm
Weight	/	g

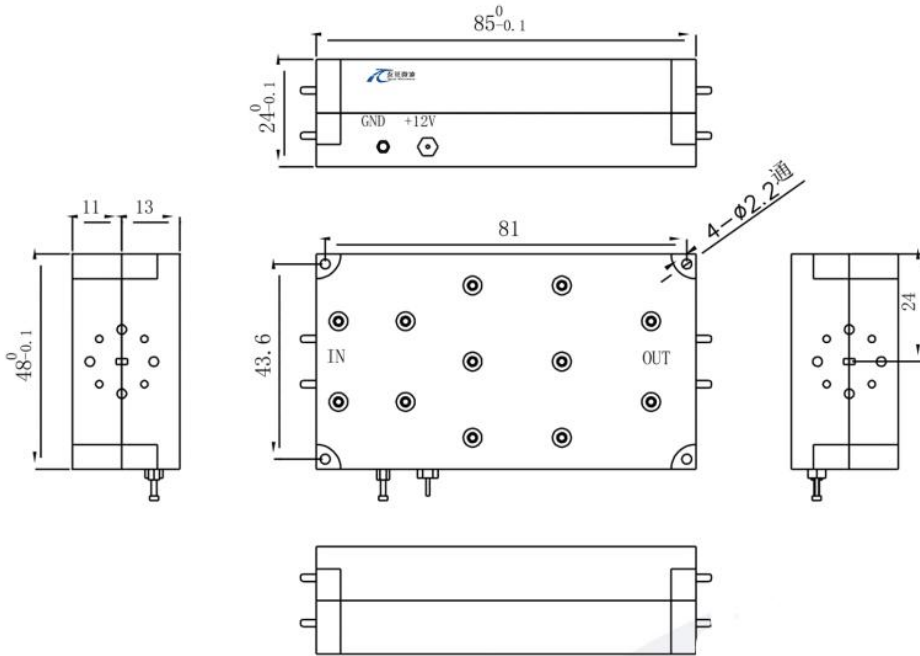
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	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:

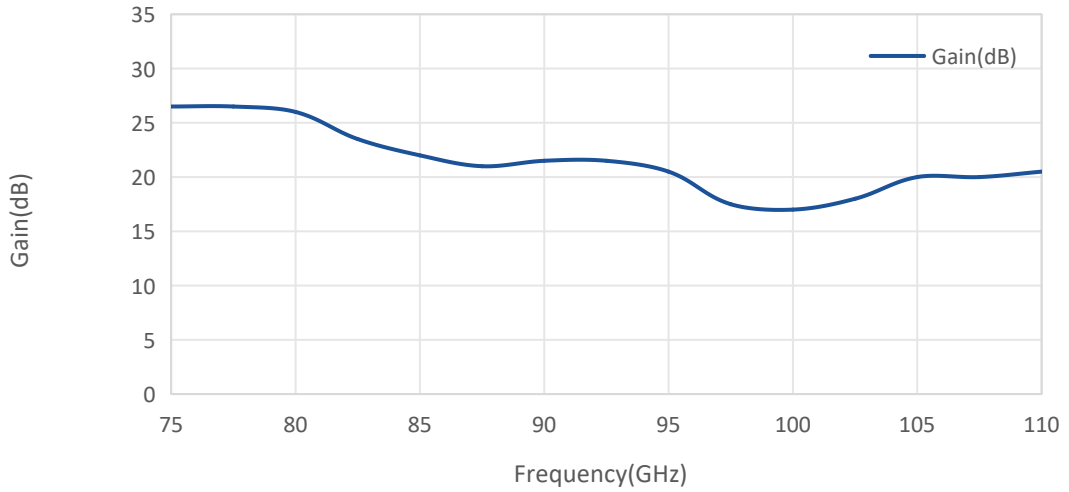
Parameter	Min	Typ	Max	Units
Operating Temperature	0		+50	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

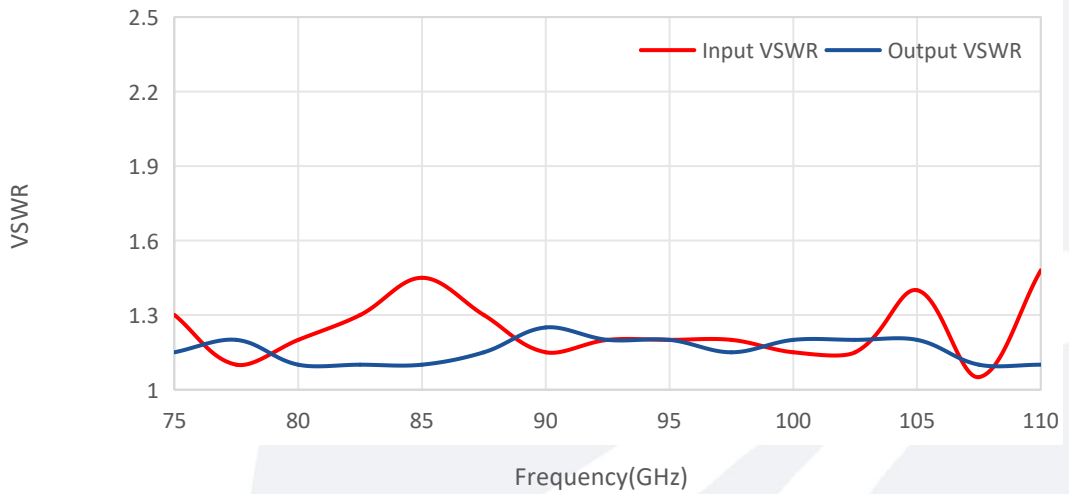
Part Number	Description	Revision
TMPA-075110-1820-10	Power Amplifier,75-110 GHz, Gain:18 dB Typ,Psat:20 dBm Typ,12V DC,WR-10	Rev.1.1

Typical Performance Data:

Gain vs Frequency



VSWR vs Frequency



Psat vs Frequency

