

Model: TMPA-110170-1717-06
Power Amplifier
110-170GHz, Gain:17 dB, Psat:17 dBm
Feature:

- Frequency Range: 110-170 GHz
- Gain:17 dB Type
- Output Power Psat:17 dBm Type
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	110-170			GHz
Gain		17		dB
Gain Flatness		±3.0		dB
Output Psat		17		dBm
Input VSWR		2.0		:1
Output VSWR		2.0		:1
DC Voltage		12		V DC
DC Supply Current		360		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-06/UG-387/U	
DC Bias	Solder Pin	
Size	35.2*30*23	mm
Weight	/	g

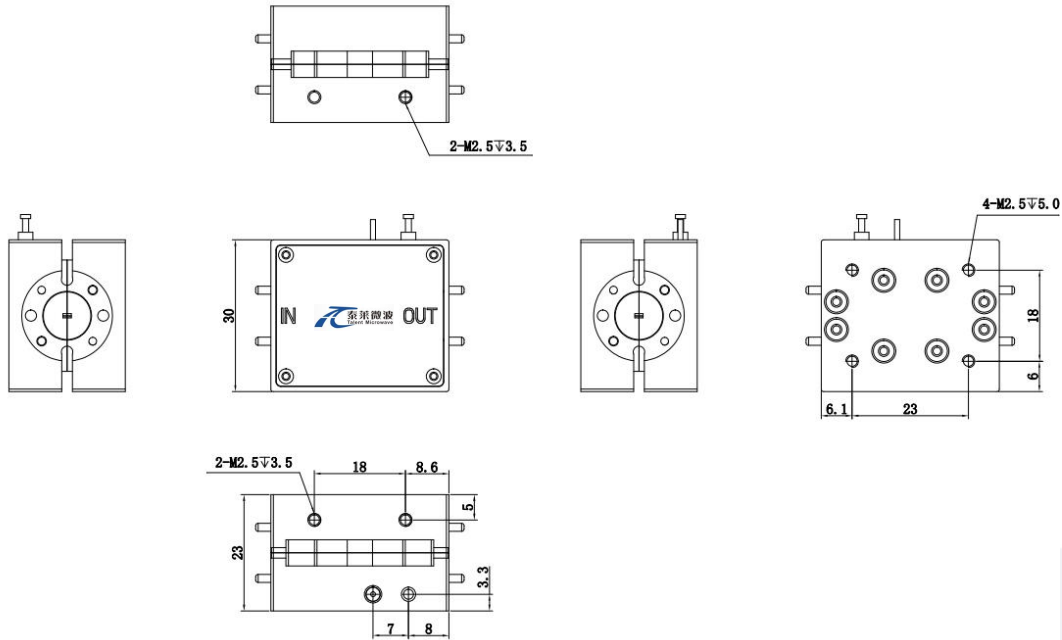
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15V
RF Input Power	14 dBm
ESD sensitivity (HBm)	Class 0, passed 150V


**Available 220V System
 Benchtop Amplifier**

Outline Drawing:

Unit: mm



Environmental Conditions:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

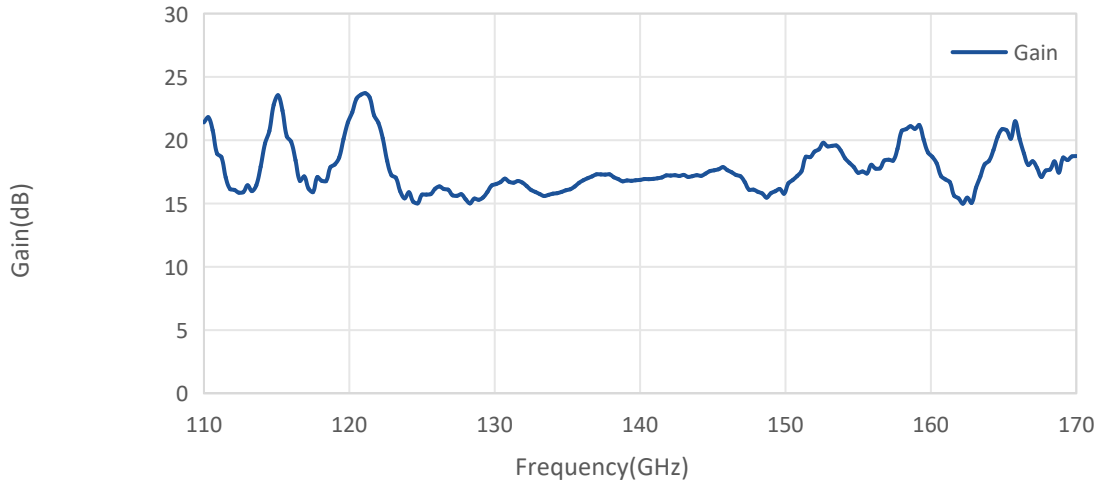
Parameter	Min	Typ	Max	Units
Operating Temperature	-45		+85	°C
Non-operating Temperature	-55		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

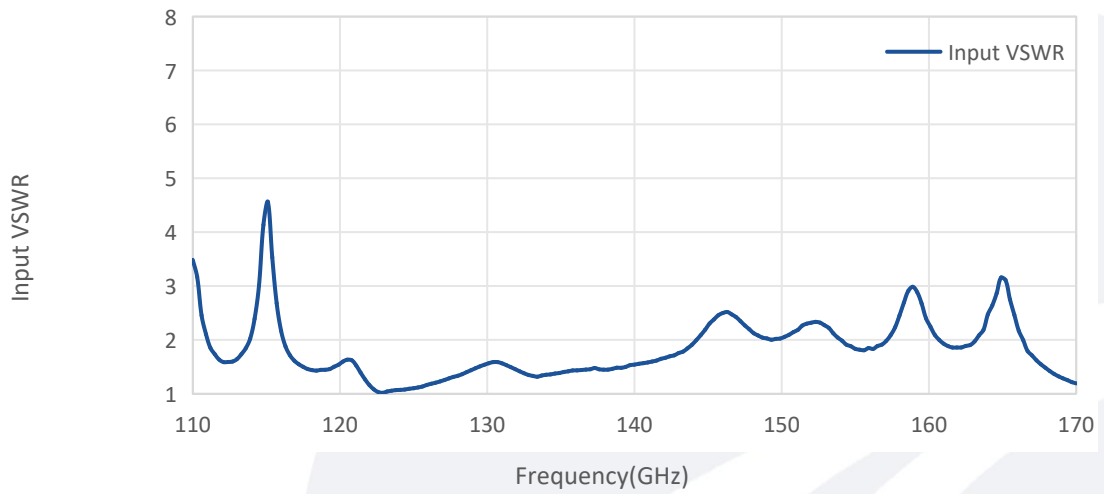
Part Number	Description	Revision
TMPA-110170-1717-06	Power Amplifier, 110-170 GHz, Gain:17 dB Type, Psat:17 dBm Type, +12V DC,WR-06	Rev.1.1

Typical Performance Data:

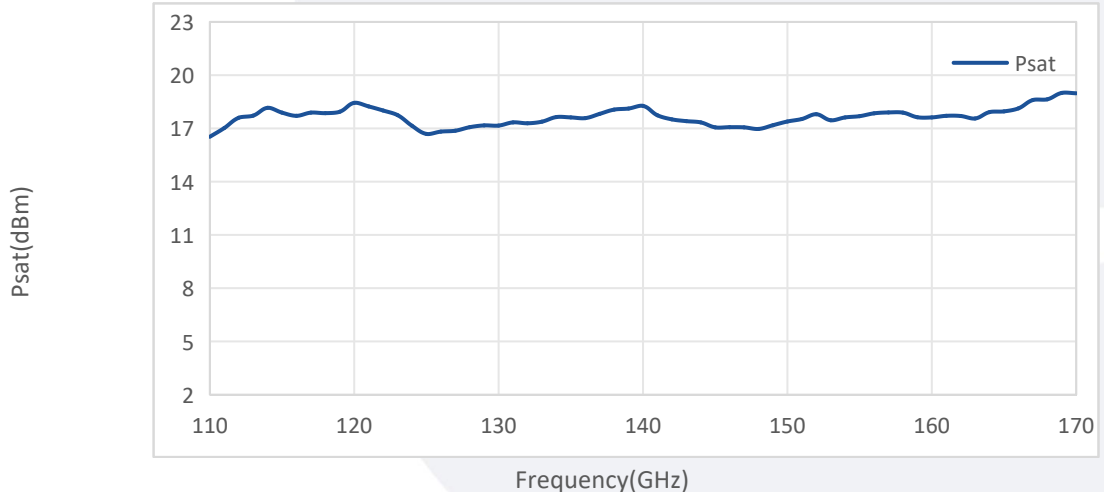
Gain vs Frequency



Input VSWR vs Frequency



Psat vs Frequency



Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.