

Model: TMPA-110170-2018-06
Power Amplifier
110-170 GHz, Gain:20 dB,Psat:18 dBm
Feature:

- Frequency Range:110-170 GHz
- Gain:20 dB Typ
- Output Power Psat:18 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

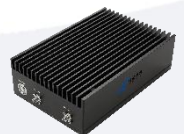
Parameter	Min	Typ	Max	Units
Frequency range	110-170			GHz
Gain		20		dB
Gain Flatness		±2		dB
Output Psat		18		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		12		V DC
DC Supply Current		350		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-06/UG-387/U	
DC Bias	Solder Pin	
Size	35.2*30*23	mm
Weight	90	g

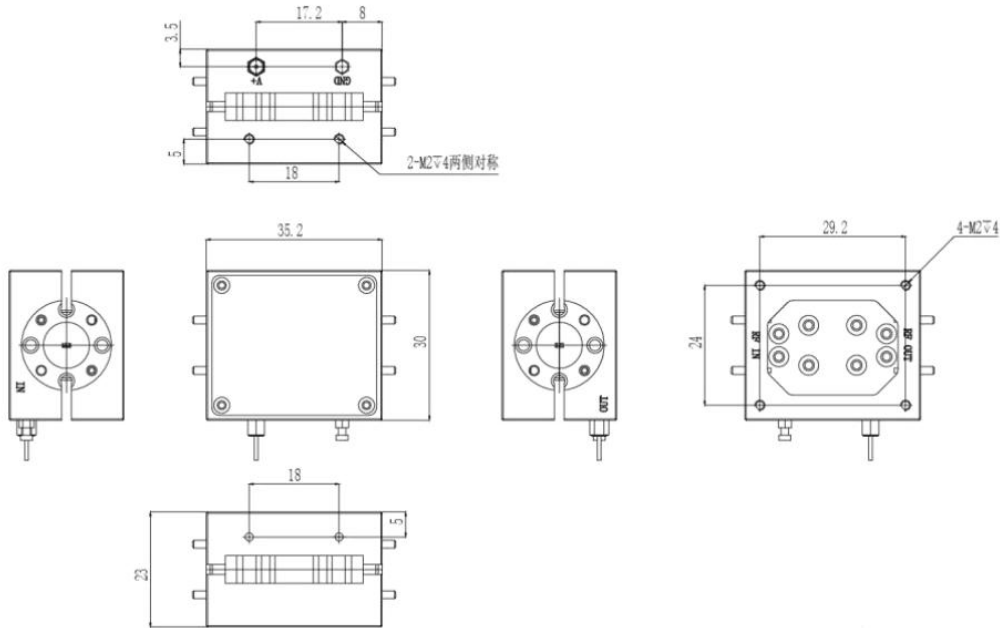
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15V
RF Input Power	16dBm
ESD sensitivity (HBm)	Class 0, passed 150V


 Available 220V System
 Benchtop Amplifier

Outline Drawing:

Unit: mm(Inches)



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-110170-2018-06	Power Amplifier,110-170 GHz, Gain:20 dB Typ,Psat:18 dBm Typ,12V DC,WR-06	Rev.1.1