

**Model: TMPA-040060-1430-19**
**Power Amplifier**  
**40-60GHz, Gain:14 dB, Psat:30 dBm**
**Feature:**

- Frequency Range: 40-60 GHz
- Gain:14 dB Min
- Output Power Psat:30 dBm Min
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	40-60			GHz
Gain	14			dB
Output Psat	30			dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		20		V DC
DC Supply Current		1500		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-19/UG-387/U	
DC Bias	Solder Pin	
Size	45*35*31	mm
Weight	100	g

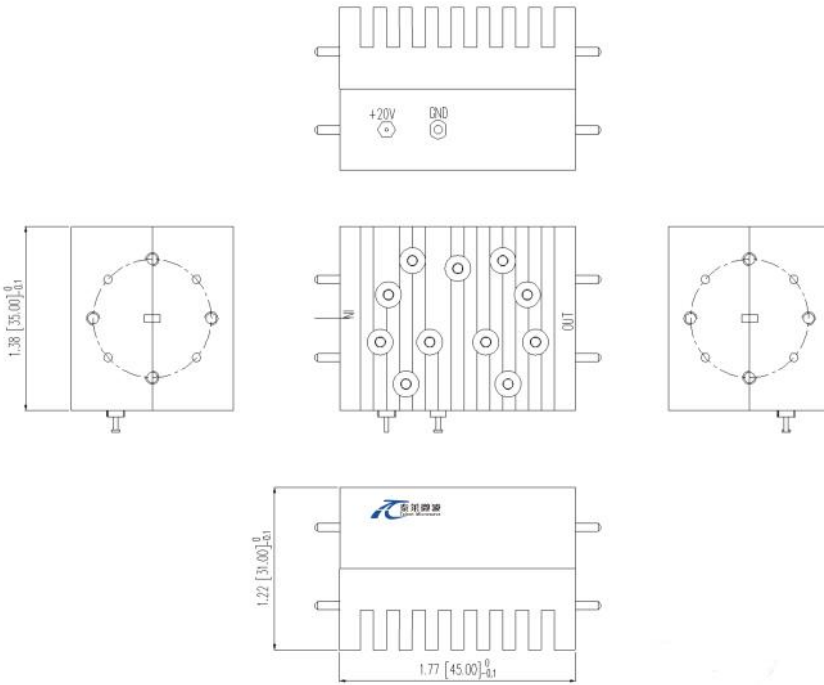
**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	+20V
RF Input Power	TBD
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		+50	°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-040060-1430-19	Power Amplifier, 40-60 GHz, Gain:14 dB Min, Psat:30 dBm Min, 20V DC,WR-19	Rev.1.1