

**Model: TMPA-080086-1523-12**
**Power Amplifier**  
**80-86 GHz, Gain:15 dB, Psat:23 dBm**
**Feature:**

- Frequency Range:80-86 GHz
- Gain:15 dB Typ
- Output Power Psat:23 dBm Typ
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	80-86			GHz
Gain		15		dB
Output Psat	19	23	26	dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage	-5	5		V DC
DC Supply Current	80	1500		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-12/UG-387/U	
DC Bias	Solder Pin	
Size	54*64*48	mm
Weight	/	g

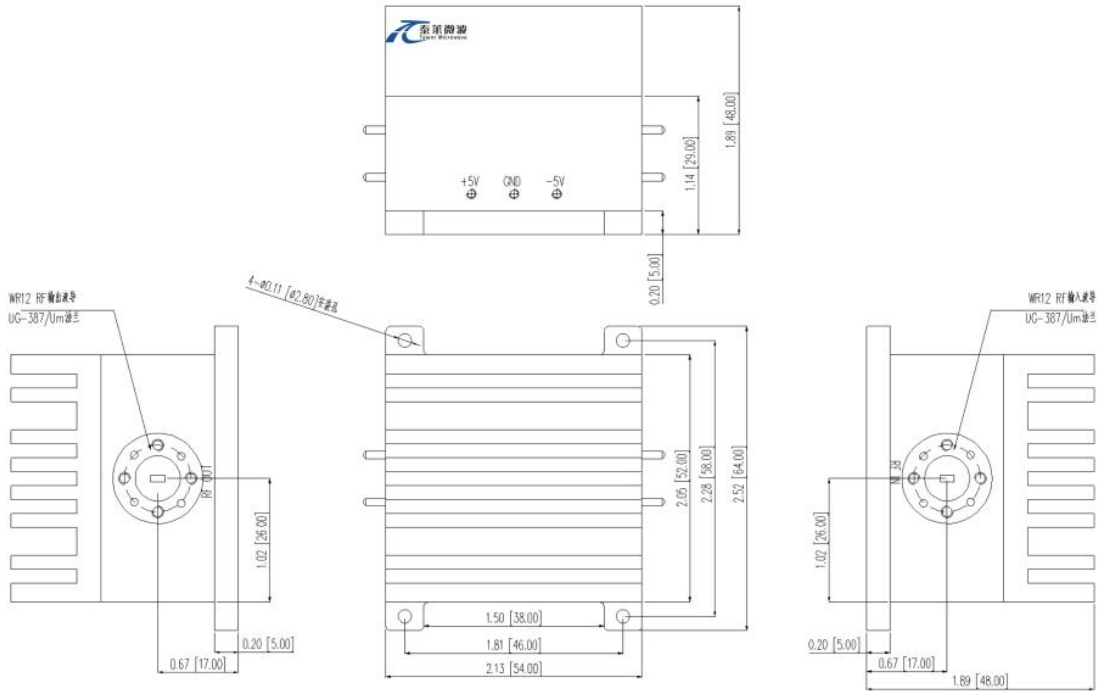
**Absolute Maximum Ratings:**

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
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	-10		+65	°C
Non-operating Temperature	-45		+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-080086-1523-12	Power Amplifier,80-86 GHz, Gain:15 dB Typ,Psat:23 dBm Typ,5V DC,WR-12	Rev.1.1

Typical Performance Data:

Psat vs Frequency

