

**Model: TMPA-88117-1823-08**
**Power Amplifier**
**88-117GHz, Gain:18 dB, Psat:23 dBm**
**Feature:**

- Frequency Range: 88-117 GHz
- Gain:18 dB Type
- Output Power Psat:23 dBm Type
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	88-117			GHz
Gain		18		dB
Gain Flatness		±1		dB
Psat		23		dBm
Input VSWR		1.5		:1
Output VSWR		1.2		:1
DC Voltage		18		V DC
DC Supply Current		260		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-08/UG-387/U	
DC Bias	Solder Pin	
Size	35*30*22	mm
Weight	/	g

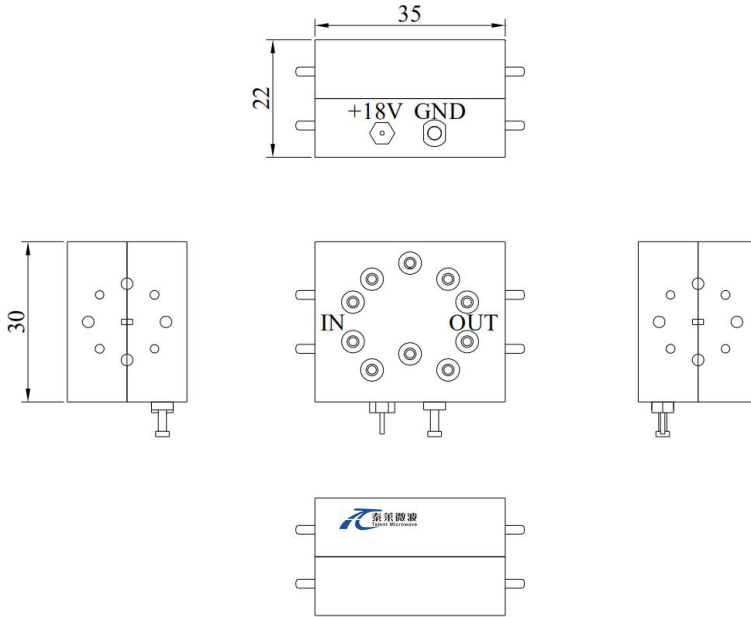
**Absolute Maximum Ratings:**

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


 Available 220V System  
 Benchtop Amplifier

**Outline Drawing:**

Unit: mm(Inches)



**Environmental Conditions:**

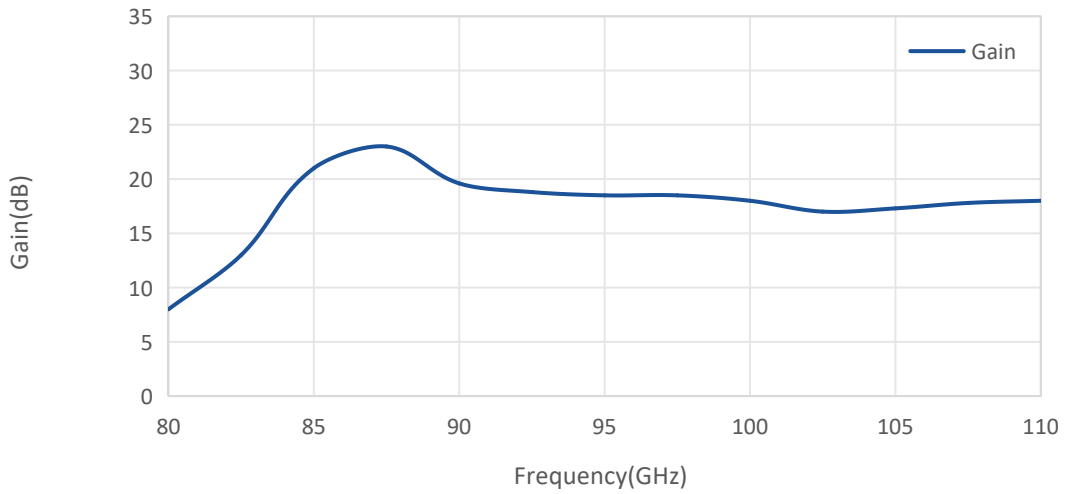
Parameter	Min	Typ	Max	Units
Operating Temperature	0		+50	°C
Non-operating Temperature	-10		+65	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

**Ordering Information:**

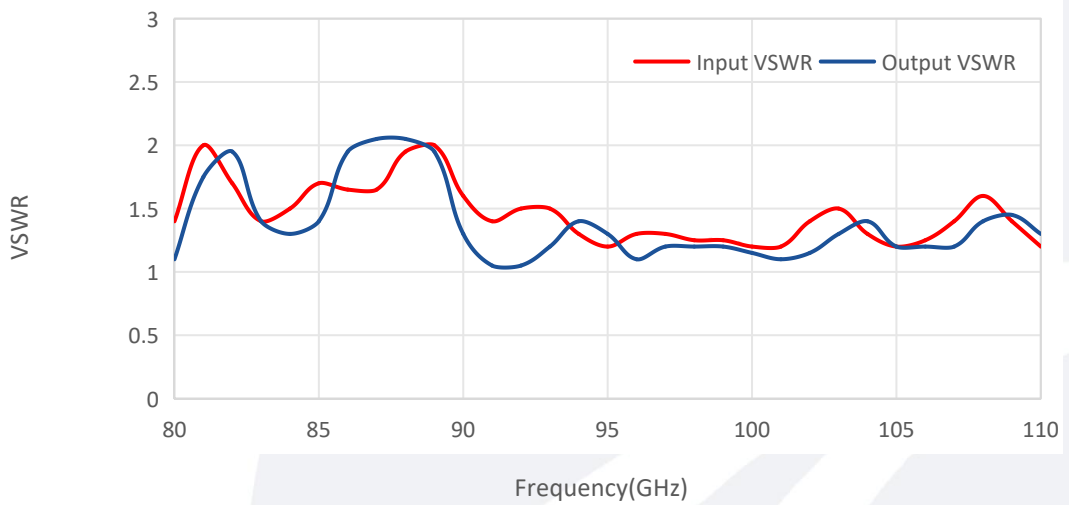
Part Number	Description	Revision
TMPA-88117-1823-08	Power Amplifier, 88-117 GHz, Gain:18 dB Type, Psat:23 dBm Type, +18V DC,WR-08	Rev.1.1

Typical Performance Data:

Gain vs Frequency



VSWR vs Frequency



Psat vs Frequency

