

**Model: TMPA-092096-2020-10**
**Power Amplifier**
**92-96 GHz, Gain:20 dB,Psat:20 dBm**
**Feature:**

- Frequency Range:92-96 GHz
- Gain:20 dB Typ
- Output Power Psat:20 dBm Min
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	92-96			GHz
Gain		20		dB
Output Psat	20	21.5		dBm
Input VSWR		2.5		:1
Output VSWR		2.5		:1
DC Voltage	-5	16		V DC
DC Supply Current	50	220		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	45*44*24 (Without Heatsink) 45*56*42(With Heatsink)	mm
Weight	/	g

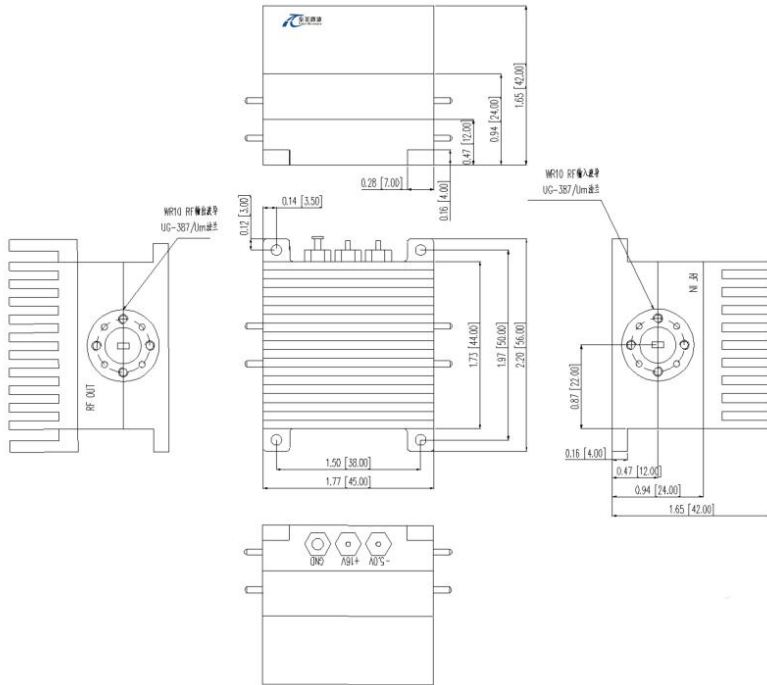
**Absolute Maximum Ratings:**

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		+40	°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-092096-2020-10	Power Amplifier,92-96 GHz, Gain:20 dB Typ,Psat:20 dBm Min,16V DC,WR-10	Rev.1.1

Typical Performance Data:

Output Power vs Frequency

