

Model: TMPA-090094-2027-10
Power Amplifier
90-94 GHz, Gain:20 dB,Psat:27 dBm
Feature:

- Frequency Range:90-94 GHz
- Gain:20 dB Min
- Output Power Psat:27 dBm Min
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	90-94			GHz
Gain	20	22		dB
Output Psat	27	28	29	dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		20		V DC
DC Supply Current		580		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	/	mm
Weight	/	g

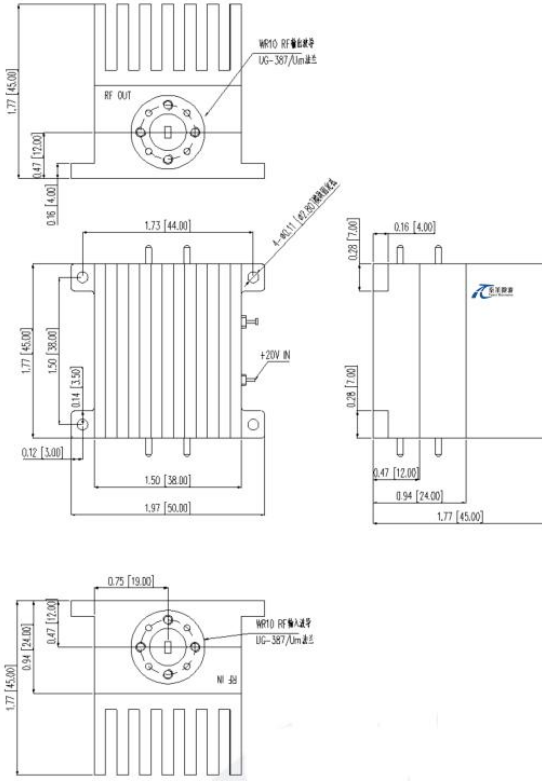
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	10dBm
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	-10		+55	°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-090094-2027-10	Power Amplifier,90-94 GHz, Gain:20 dB Min,Psat:27 dBm Min,20V DC,WR-10	Rev.1.1