

**Model: TMPA-090094-3036-10**

**Power Amplifier**  
**90-94 GHz, Gain:30 dB,Psat:36 dBm**

**Feature:**

- Frequency Range:90-94 GHz
- Gain:30 dB Typ
- Output Power Psat:36 dBm Typ
- Good Power and Gain Flatness

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	90-94			GHz
Gain	28	30		dB
Output Psat	35	36		dBm
Input VSWR		2		:1
DC Voltage		24		V DC
DC Supply Current		3600		mA

**Mechanical Specifications:**

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	115*120*70	mm
Weight	/	g

**Absolute Maximum Ratings:**

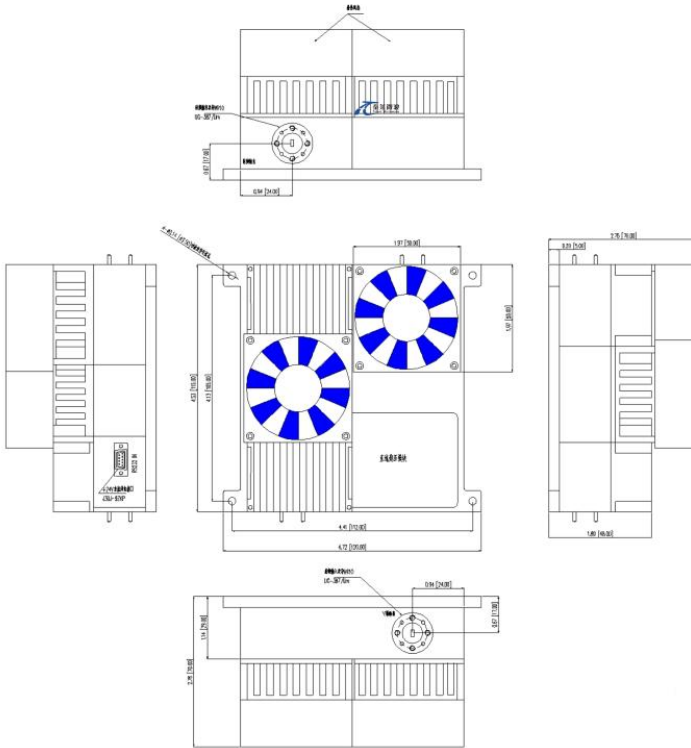
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



**Available 220V System  
Benchtop Amplifier**

**Outline Drawing:**

Unit: mm(Inches)



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+55	°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-090094-3036-10	Power Amplifier,90-94 GHz, Gain:30 dB Typ,Psat:36 dBm Typ,24V DC,WR-10	Rev.1.1