

Model: TMPA-090100-4020-10
Power Amplifier
90-100 GHz, Gain:42 dB,Psat:22 dBm
Feature:

- Frequency Range:90-100 GHz
- Gain:42 dB Typ
- Output Power Psat:22 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	90-100			GHz
Gain	40	42		dB
Output Psat	20	22		dBm
Input VSWR		2.5		:1
Output VSWR		2.5		:1
DC Voltage		5		V DC
DC Supply Current		950		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	54*35*20(Without Heatsink) 54*68*60(With Heatsink)	mm
Weight	/	g

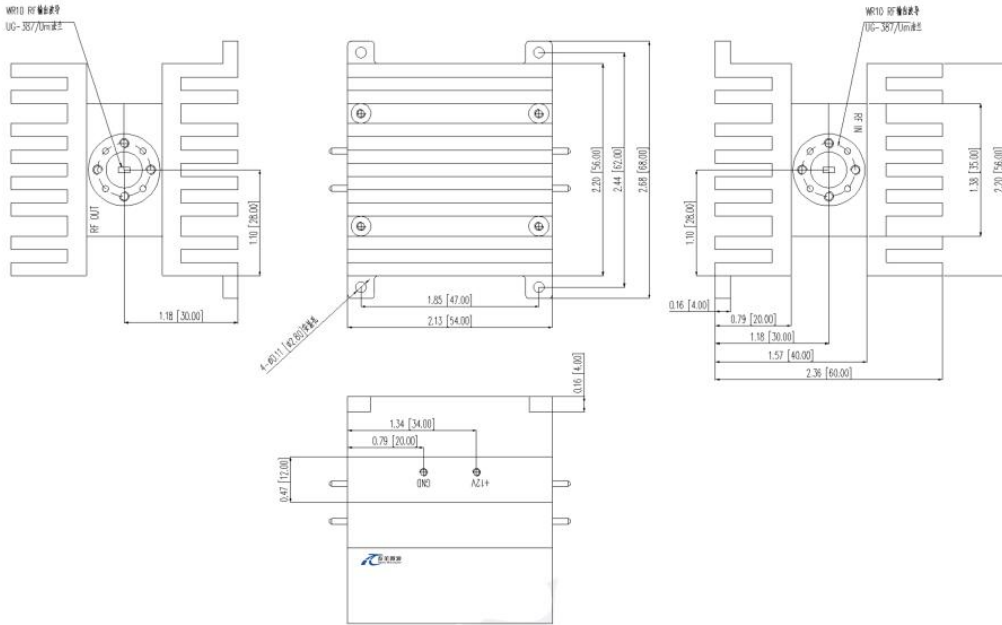
Absolute Maximum Ratings:

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	0		+50	°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-090100-4020-10	Power Amplifier,90-100 GHz, Gain:42 dB Typ,Psat:22 dBm Typ,5V DC,WR-10	Rev.1.1