

Model: TMPA-095105-3012-10
Power Amplifier
95-105 GHz, Gain:30 dB,Psat:12 dBm
Feature:

- Frequency Range:95-105 GHz
- Gain:30 dB Typ
- Output Power Psat:12 dBm Min
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	95-105			GHz
Gain		30		dB
Output Psat	12	13	15	dBm
Input VSWR		2.2		:1
Output VSWR		2.2		:1
DC Voltage		5		V DC
DC Supply Current		180		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-10/UG-387/U	
DC Bias	Solder Pin	
Size	45*42*24	mm
Weight	/	g

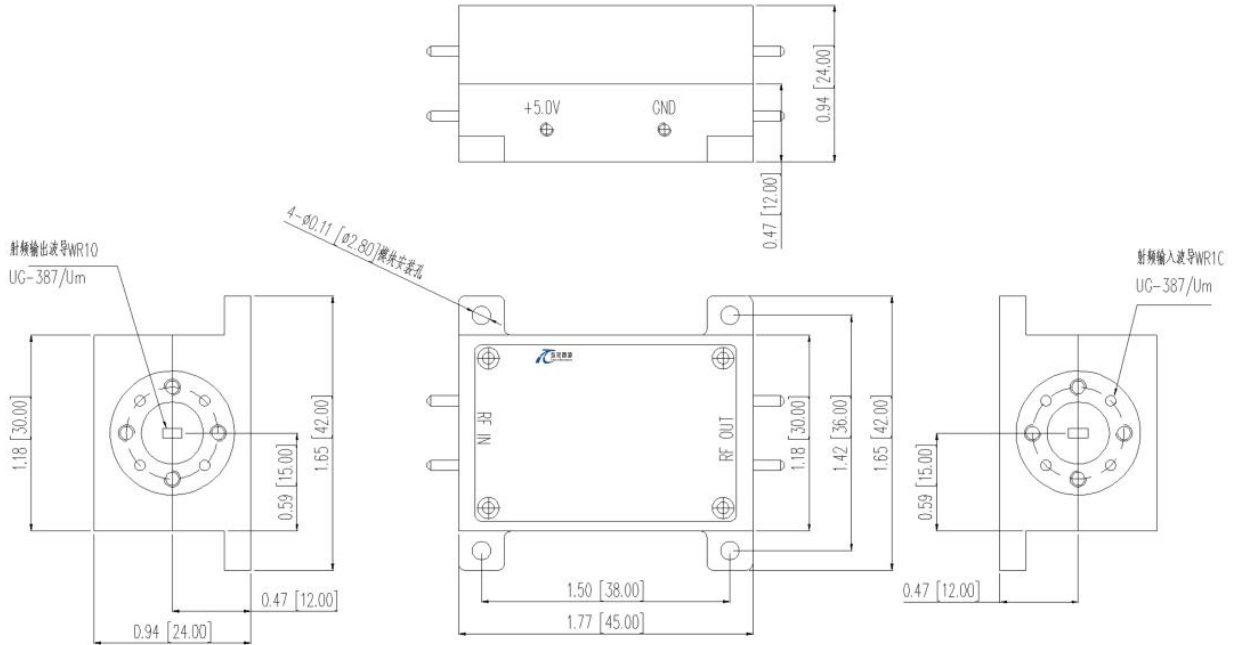
Absolute Maximum Ratings:

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-095105-3012-10	Power Amplifier,95-105 GHz, Gain:30 dB Typ,Psat:12 dBm Min,5V DC,WR-10	Rev.1.1