

Model: TMPA-195220-2211-04

Power Amplifier

195-220 GHz, Gain:22 dB,Psat:11 dBm

Feature:

- Frequency Range:195-220 GHz
- Gain:22 dB Typ
- Output Power Psat:11 dBm Typ
- Good Power and Gain Flatness

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	195-220			GHz
Gain		22		dB
Output Psat		11		dBm
Input VSWR		2		:1
Output VSWR		2.5		:1
DC Voltage		7		V DC
DC Supply Current		150		mA

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	WR-04/UG-387/U	
DC Bias	Solder Pin	
Size	/	mm
Weight	/	g

Absolute Maximum Ratings:

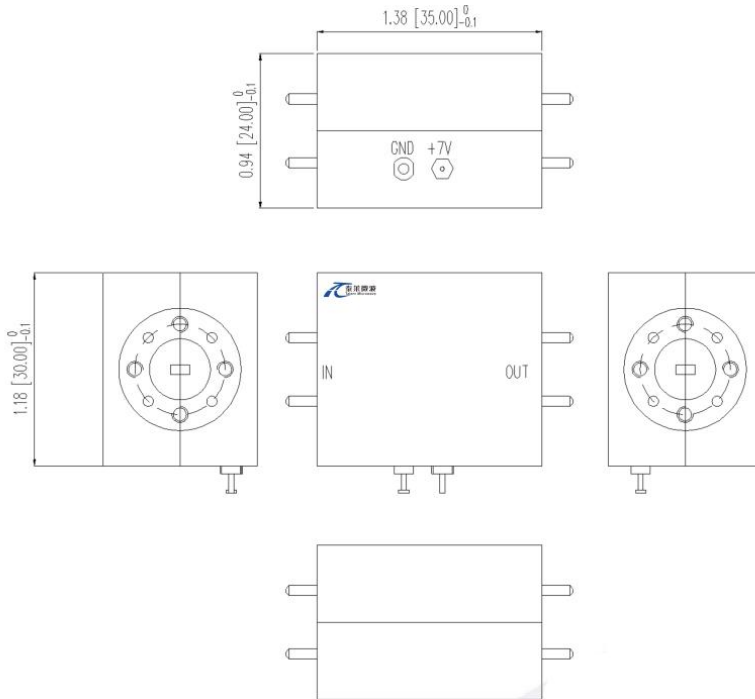
Parameter	Value
Supply Bias Voltage	TBD
RF Input Power	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: mm(Inches)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

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-195220-2211-04	Power Amplifier,195-220 GHz, Gain:22 dB Typ,Psat:11 dBm Typ,7V DC,WR-04	Rev.1.1

Typical Performance Data:

Psat vs Frequency

