

## Model: TMLA-120200-2040-05

## Low Noise Amplifier 120-200GHz, NF:4.0 dB, Gain:20dB

### Feature:

- Ultra Wide Band:120-200 GHz
- Gain: 20dB Typ
- Noise Figure:4.0dB Typ
- Unconditional stability

### Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	120		200	GHz
Gain	16	20		dB
Noise Figure		4		dB
Output P1dB		0		dBm
DC Voltage		+6		V DC
DC power supply		30		mA

### Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-05/ UG-387/U	
Output Connector	WR-05/ UG-387/U	
Power Supply Pin	Solder Pin	
Size	35*30*22	mm

### Absolute Maximum Ratings:

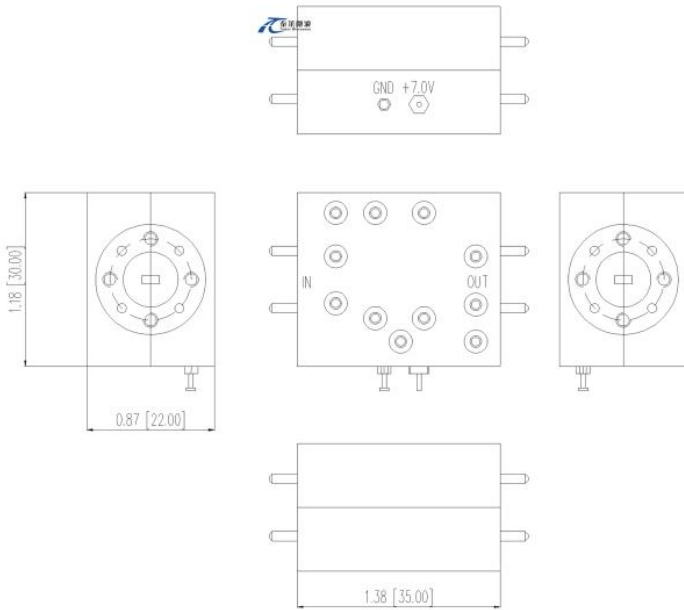
Parameter	Value
Supply Bias Voltage	+6 V
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System  
Benchtop Amplifier

**Outline Drawing:**

Unit: Inches(mm)



OBSERVE PRECAUTIONS  
ELECTROSTATIC SENSITIVE  
DEVICES

**Environmental Conditions:**

Parameter	Min	Typ	Max	Units
Operating Temperature	-55		+85	°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
TMLA-120200-2040-05	Low Noise Amplifier,120-200GHz, Noise Figure:4.0dB, Gain:20dB,+6V DC,WR-05	Rev.1.1