

Model: TMLA-220270-1580-03
Low Noise Amplifier
220-270GHz, NF:8.0 dB, Gain:15dB
Feature:

- Ultra Wide Band: 220-270 GHz
- Gain: 15dB Typ
- Noise Figure:8.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	220		270	GHz
Gain		15		dB
Noise Figure		8.0		dB
Output P1dB		-5		dBm
Input VSWR		3.5		:1
Output VSWR		3.5		:1
DC Voltage		+5		V DC
DC power supply		43		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-03/ UG-387/U	
Output Connector	WR-03/ UG-387/U	
Power Supply Pin	Solder Pin	
Size	35*30*30	mm

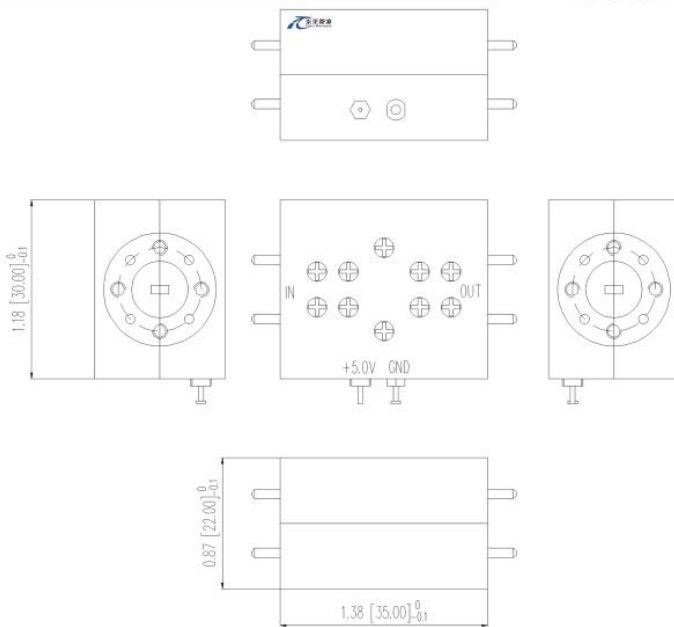
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+8 V
RF Input Power	10dBm
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-220270-1580-03	Low Noise Amplifier,220-270GHz, Noise Figure:8.0dB, Gain:15dB,+5V DC,WR-03	Rev.1.1