

Model: TMLA-170200-2040-05
Low Noise Amplifier
170-200GHz, NF:4.0 dB, Gain:20dB
Feature:

- Ultra Wide Band: 170-200 GHz
- Gain: 20dB Typ
- Noise Figure:4.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	170		200	GHz
Gain		20		dB
Noise Figure		4		dB
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	/	mm

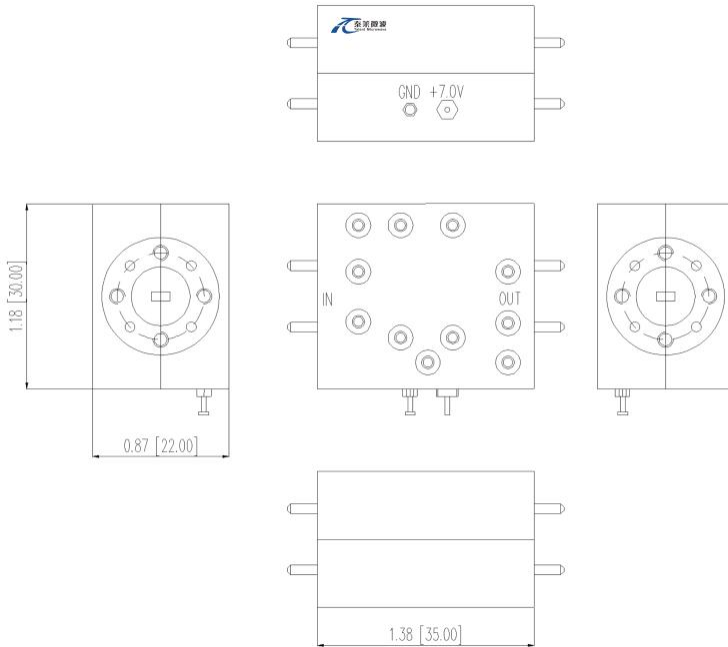
Absolute Maximum Ratings:

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-170200-2040-05	Low Noise Amplifier,170-200GHz, Noise Figure:4.0dB, Gain:20dB,+6V DC,WR-05	Rev.1.1