

Model: TMLA-050070-3722-15
Low Noise Amplifier
50-70GHz, NF:2.2 dB, Gain:37 dB
Feature:

- Ultra Wide Band: 50-70 GHz
- Gain: 37dB Typ
- Noise Figure: 2.2dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	50		70	GHz
Gain	33	37		dB
Noise Figure		2.2	2.8	dB
Output P1dB		-5		dBm
Input VSWR		2		:1
Output VSWR		2		:1
DC Voltage		+5		V DC
DC power supply		58		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-15/ UG-385/U	
Output Connector	WR-15/ UG-385/U	
Power Supply Pin	Solder Pin	
Size	50*30*22	mm

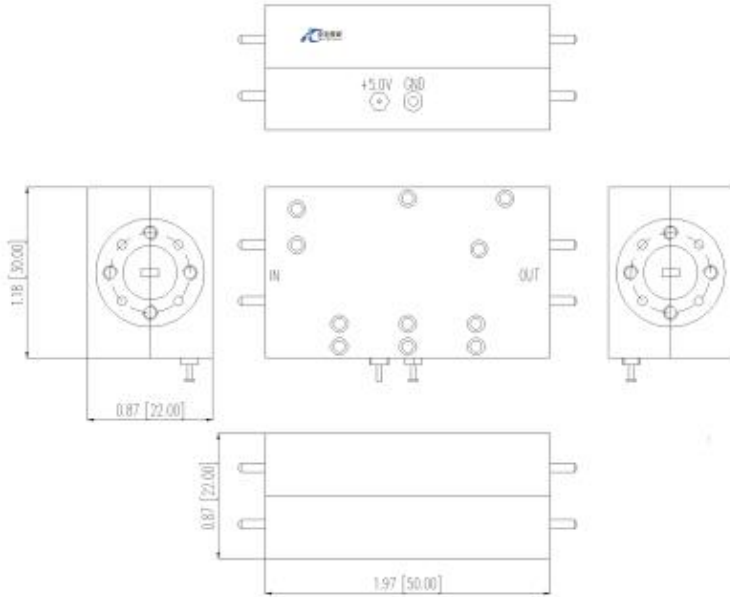
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+5 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	0		+65	°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-050070-3722-15	Low Noise Amplifier,50-70GHz, Noise Figure:2.2dB, Gain:37dB,+5V DC,WR-15	Rev.1.1