

Model: TMLA-076081-4040-12

Low Noise Amplifier
76-81GHz, NF:4.0 dB, Gain:40 dB

Feature:

- Ultra Wide Band: 76-81 GHz
- Gain:40dB Typ
- Noise Figure:4.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	76		81	GHz
Gain	38	40		dB
Noise Figure		4.0		dB
Output P1dB	10	12		dBm
DC Voltage		+5		V DC
DC power supply		180		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-12/ UG-387/U	
Output Connector	WR-12/ UG-387/U	
Power Supply Pin	Solder Pin	
Size	45*42*24	mm

Absolute Maximum Ratings:

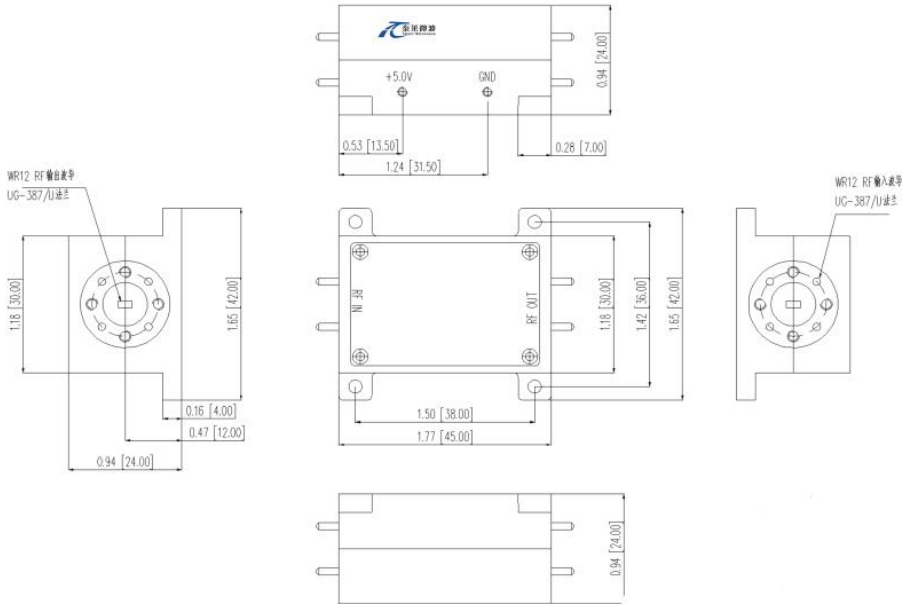
Parameter	Value
Supply Bias Voltage	+5 V
RF Input Power	TBD
ESD sensitivity (HBm)	Class 0, passed 150V



**Available 220V System
Benchtop Amplifier**

Outline Drawing:

Unit: Inches(mm)



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-25		+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-076081-4040-12	Low Noise Amplifier,76-81GHz, Noise Figure:4.0dB, Gain:40dB,+5V DC,WR-12	Rev.1.1