

Model: TMLA-075110-4540-10
Low Noise Amplifier
75-110GHz, NF:4.0 dB, Gain:45 dB
Feature:

- Ultra Wide Band: 75-110 GHz
- Gain: 45dB Typ
- Noise Figure:4.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	75		110	GHz
Gain		45		dB
Noise Figure		4.0		dB
Output P1dB		0		dBm
Input VSWR		2.5		:1
Output VSWR		2.2		:1
DC Voltage		+12		V DC
DC power supply		80		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-10/ UG-387/U	
Output Connector	WR-10/ UG-387/U	
Power Supply Pin	Solder Pin	
Size	39*30*21	mm

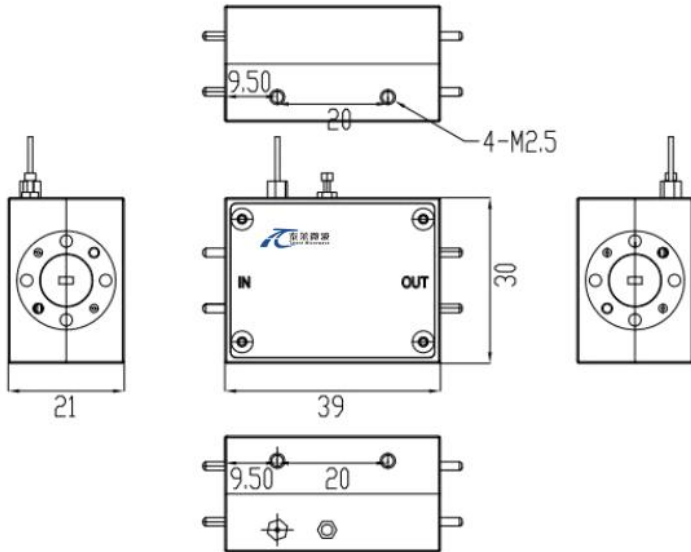
Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+13 V
RF Input Power	0dBm
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	-10		+65	°C
Non-operating Temperature	-25		+75	°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-075110-4540-10	Low Noise Amplifier,75-110GHz, Noise Figure:4.0dB, Gain:45dB,+12V DC,WR-10	Rev.1.1