

**Model: TMLA-060090-3545-12-N**
**Low Noise Amplifier**  
**60-90GHz, NF:4.5 dB, Gain:35 dB**
**Feature:**

- Ultra Wide Band: 60-90 GHz
- Gain: 35dB Typ
- Noise Figure:4.5dB Typ
- Unconditional stability

**Electrical Specifications:**

Parameter	Min	Typ	Max	Units
Frequency range	60		90	GHz
Gain		35		dB
Noise Figure		4.5		dB
Output P1dB		15		dBm
Input VSWR		3		:1
Output VSWR		3		:1
DC Voltage		+5		V DC
DC power supply		340		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	/	mm

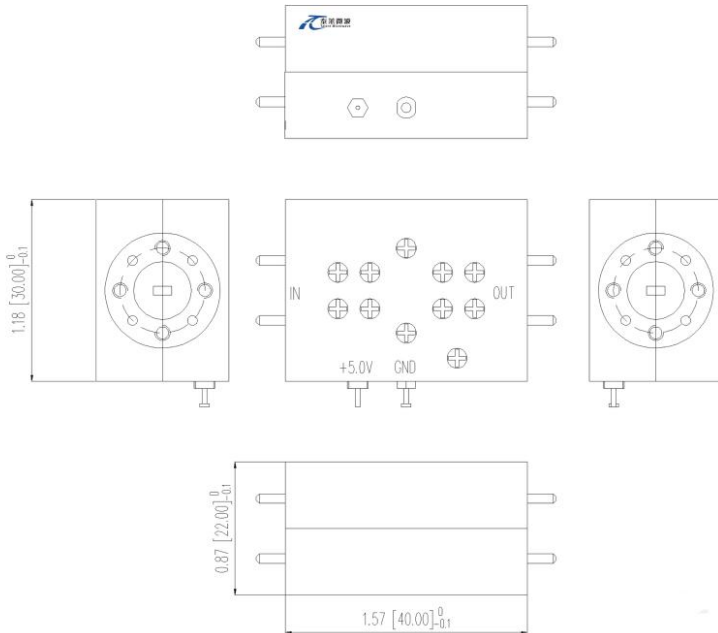
**Absolute Maximum Ratings:**

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)



**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-060090-3545-12-N	Low Noise Amplifier,60-90GHz, Noise Figure:4.5dB, Gain:35dB,+5V DC,WR-12	Rev.1.1