

Model: TMLA-060090-1540-12

Low Noise Amplifier 60-90 GHz, NF:3.5 dB, Gain:15 dB

Feature:

- Ultra Wide Band: 60-90 GHz
- Gain: 15dB Min
- Noise Figure: 4.0dB Max
- Unconditional stability

Electrical:

Parameter	Min.	Typ.	Max.	Units
Frequency range	60		90	GHz
Gain	15			dB
Noise Figure		3.5		dB
Output P1dB	8			dBm
Input VSWR			2.5	:1
Output VSWR			2.5	:1
DC Voltage		+12		V DC
DC power supply		150		mA

Mechanical :

Parameter	Value
Input Connector	WR-12/ UG-387/U
Output Connecto	WR-12/ UG-387/U
Power Supply Pin	Solder Pin
Size	30mm×30mm×23mm

Absolute Maximum Ratings:

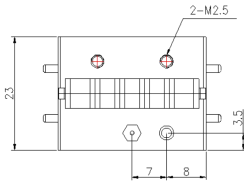
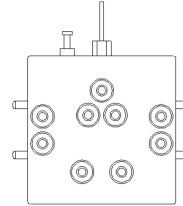
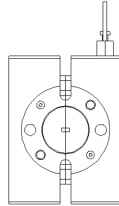
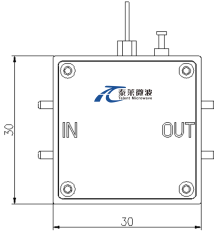
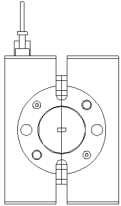
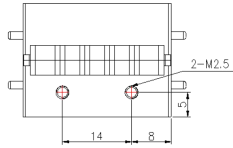
Parameter	Value
Supply Bias Voltage	+12V
RF INPUT POWER	10 dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Available 220V System
Benchtop Amplifier

Outline Drawing:

Unit: mm(Inches)



Environmental Conditions:

Parameter	Min.	Typ.	Max.	Units
Operating Temperature	0		+60	°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-060090-1540-12	E-band Low Noise Amplifier 60-90 GHz, NF:3.5 dB, Gain:30 dB,WR-12	Rev.1.1