

Model: TMLA-260350-2511-02
Low Noise Amplifier
260-350GHz, NF:12.0 dB, Gain:25dB
Feature:

- Ultra Wide Band: 260-350 GHz
- Gain: 25dB Typ
- Noise Figure:12.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	260		350	GHz
Gain		25		dB
Noise Figure		12		dB
DC Voltage		+5		V DC
DC power supply		100		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-2.8/ UG-387/U	
Output Connector	WR-2.8/ 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:



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

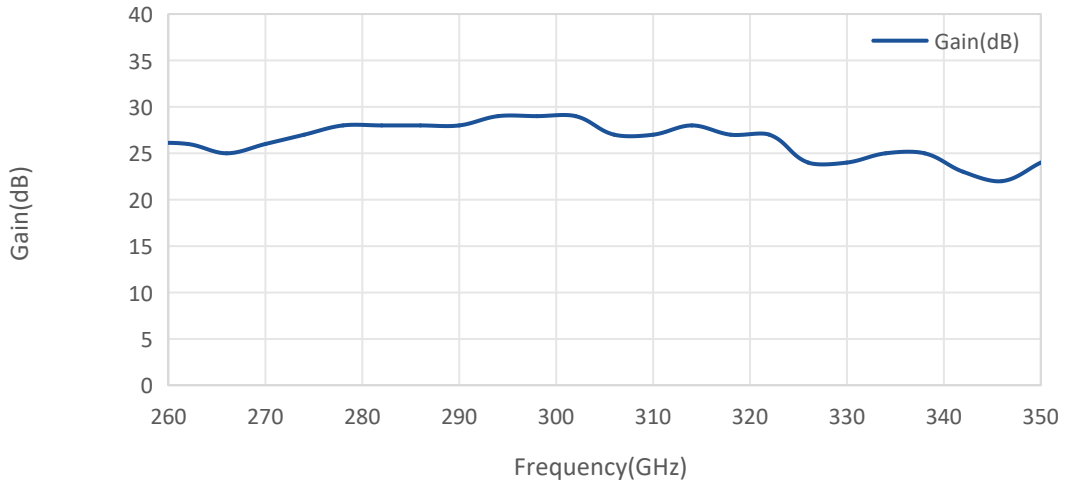
Parameter	Min	Typ	Max	Units
Operating Temperature	-10		+65	°C
Non-operating Temperature	-45		+125	°C
Relative humidity		95		%
Altitude	50,000			feet
Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

Ordering Information:

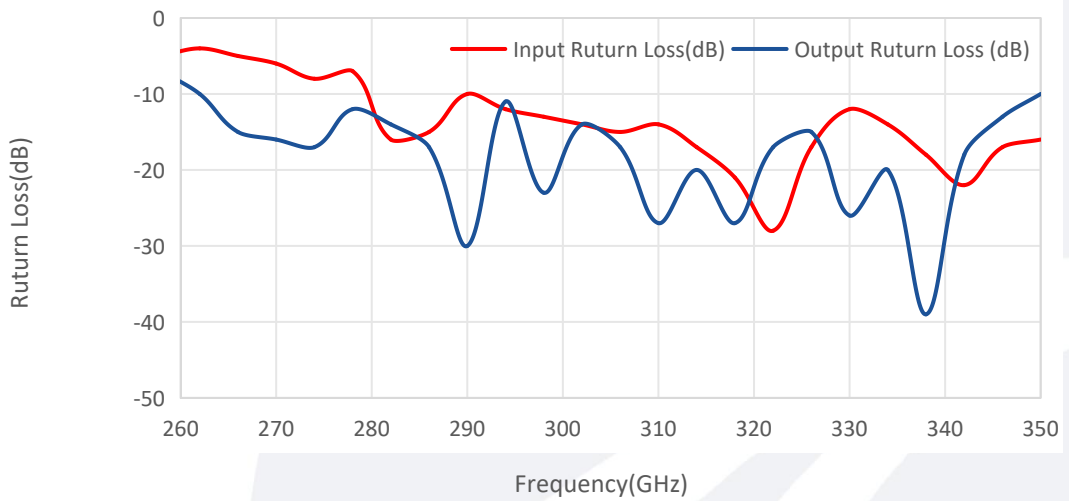
Part Number	Description	Revision
TMLA-260350-2511-02	Low Noise Amplifier,260-350GHz, Noise Figure:12.0dB, Gain:25dB,+5V DC,WR-2.8	Rev.1.1

Typical Performance Data:

Gain vs Frequency



Return Loss vs Frequency



Noise Figure vs Frequency

