泰莱微波
Talent Microwave

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Model: TMLA-040060-4550-19-N

Low Noise Amplifier
40-60GHz, NF:4.0 dB, Gain:43 dB

Feature:

- Ultra Wide Band: 40-60 GHz
- Gain: 43dB Typ
- Noise Figure: 4.0dB Typ
- Unconditional stability

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range	40		60	GHz
Gain		43		dB
Noise Figure		4.0		dB
Input VSWR		2		:1
Output VSWR		1.5		:1
DC Voltage		+12		V DC
DC power supply		220		mA

Mechanical Specifications:

Parameter	Value	Units
Input Connector	WR-19/ UG-383/U	
Output Connector	WR-19/ UG-383/U	
Power Supply Pin	Solder Pin	
Size	45*30*30	mm

Absolute Maximum Ratings:

Parameter	Value
Supply Bias Voltage	+15 V
RF Input Power	15 dBm
ESD sensitivity (HBm)	Class 0, passed 150V

Available 220V System Benchtop Amplifier

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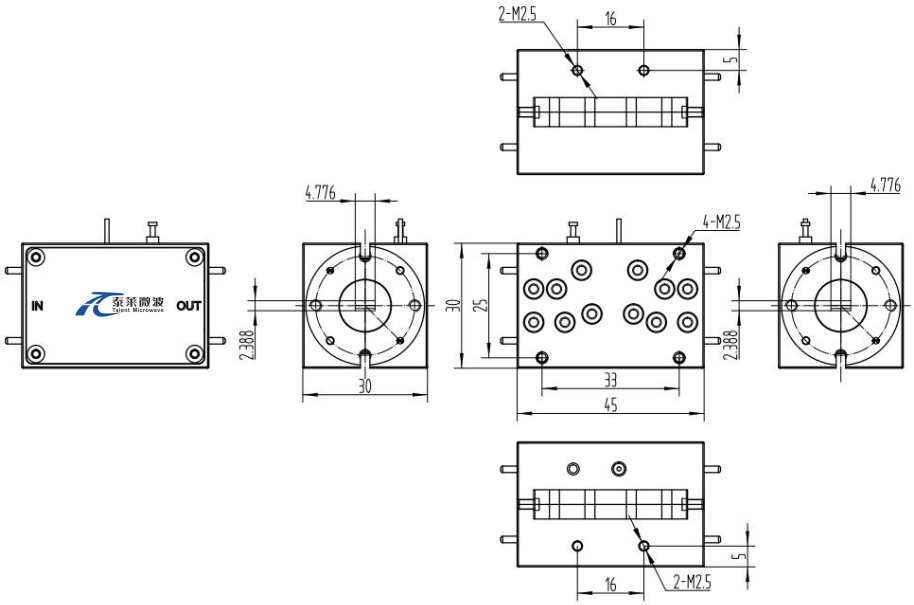
Outline Drawing:

Unit: mm



OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+75	℃
Non-operating Temperature	-55		+85	℃
Relative humidity		95		%
Altitude	10,000			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-040060-4550-19-N	Low Noise Amplifier,40-60GHz, Noise Figure:4.0dB, Gain:43dB,+12V DC,WR-19	Rev.1.1

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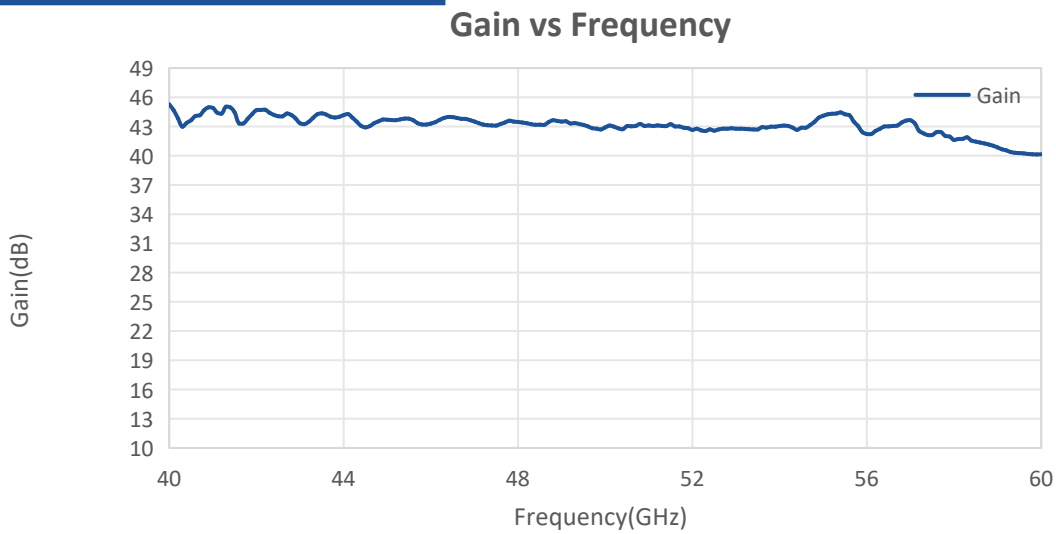
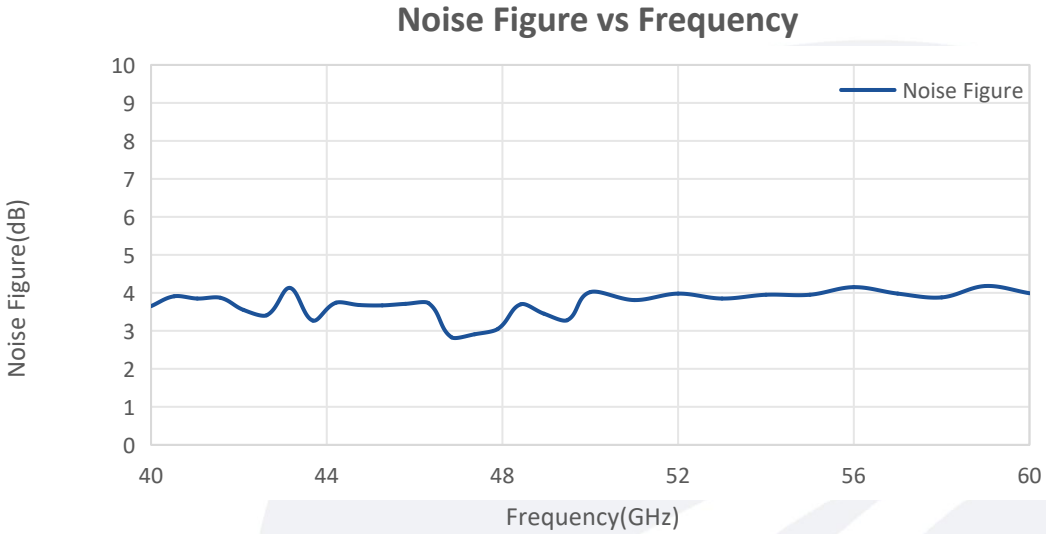
Typical Performance Data:





Note: Above data is for ref only, actual data may vary from unit to unit depending on operating environment and other factors like material lots etc.