泰莱微波
Talent Microwave

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Model:TLLA1G1.6G-32-13

Low Noise Amplifier
1-1.6GHz, NF:0.5dB, Gain:32dB,P1dB:13dBm

Feature:

- Ultra Wide Band: 0.8-1.6GHz
- Gain: 32dB Typ
- Noise Figure: 0.5dB Max
- Good Power and Gain Flatness
- 50 Ohm Matched Input / Output

Electrical Specifications:

Parameter	Min	Typ	Max	Units
Frequency range		1-1.6		GHz
Gain	27	32		dB
Gain Flatness		±1.0	±1.75	dB
Noise Figure			0.5	dB
Output P1dB	12	13		dBm
Input VSWR		1.4	1.8	:1
Output VSWR		1.4	1.8	:1
DC Voltage	4.85	5	6	V DC
DC Supply Current		50	60	mA
Impedance		50		Ohms

Mechanical Specifications:

Parameter	Value	Units
Input /Output Connector	SMA Female/SMA Female	
DC Bias	Solder Pin	
Size	17.8*20*8.35	mm
Weight	11	g

Absolute Maximum Ratings:

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

Available 220V System
Benchtop Amplifier

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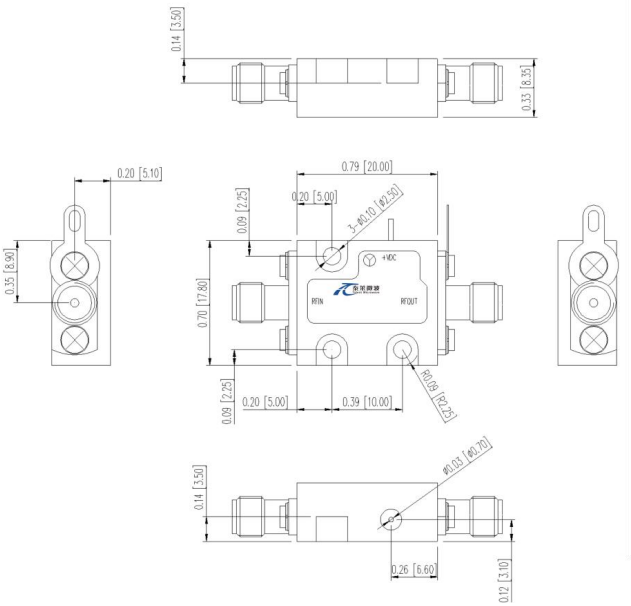
Outline Drawing:

Unit: mm(inches)



***Heat Sink Required During Operation

OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES

Environmental Conditions:

Parameter	Min	Typ	Max	Units
Operating Temperature	-40		+70	℃
Non-operating Temperature	-65		+150	℃
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
TLLA1G1.6G-32-13	Low Noise Amplifier, 1-1.6GHz, Noise Figure:0.5dB, Gain:32 dB,P1dB:13dBm,5V DC,Without Heatsink	Rev.1.1
TLLA1G1.6G-32-13-HS	Low Noise Amplifier, 1-1.6GHz, Noise Figure:0.5dB, Gain:32 dB,P1dB:13dBm,5V DC,With Heatsink	Rev.1.1