



Note: The photo is for illustration purposes only. Please refer to outline drawing

■ Features

- Ultra Wide Band: 0.02-1GHz
- Gain: 33 dB
- Output Power Psat: 30dBm
- Bias: Vd=24V;Id=0.5A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	0.02-1			GHz
Small Signal Gain	33	35		dB
Gain Flatness		±1.5	±2.5	dB
VSWR		1.6	2.0	-
Output Power for 1 dB Compression (P1dB)	25	30		dBm
Saturated Output Power (Psat)		31		dBm
Input Max Power(no damage)			10	dBm
NF		3		dB
IP3		40		dBm
Internally Generated Spurious		-60		dBc
DC Current (Vcc+24V) (@Pout=1W)		0.5		A
Impedance	50			Ω
Input Output Connector	SMA			
Material	Aluminium			
Weight	-			
Dimension	60X49X12mm			

Environmental Conditions

Operational Temperature	-55°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-65°C~+125°C	Shock	20G for 11msc half sin wave, 3 axis both directions
Executive Standard	MIL-STD-810G	Humidity	100% RH at 35c, 95%RH at 40°C

Absolute Maximum Ratings

Supply Bias Voltage	+24V
RF INPUT POWER	+10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

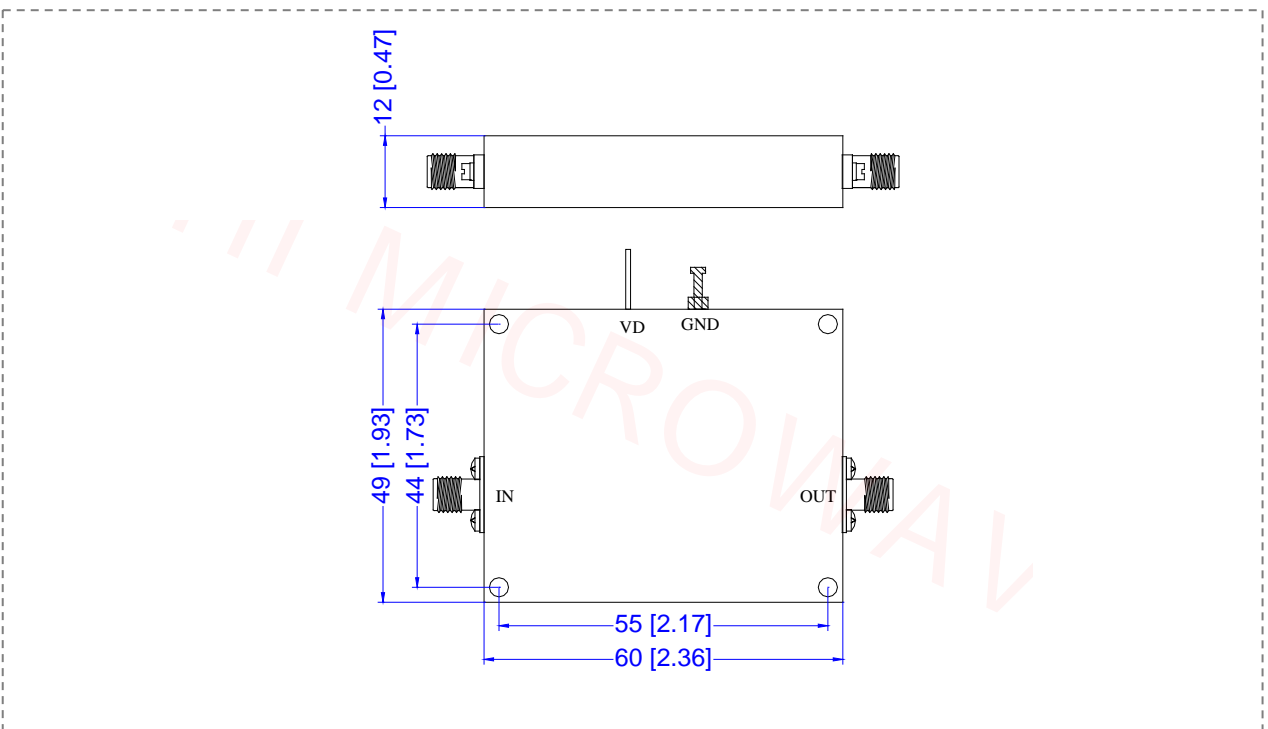


OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES



Outline Drawing

All Dimensions in mm (inches) Tolerance ± 0.25 (0.01)



*****Heat Sink required during operation*****