



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

■ Features

- Ultra Wide Band: 1-43.5GHz
- Gain: 27dB
- Output Power: 15dBm
- High Output IP3: 23dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications


Parameter	Min.	Typ.	Max	Units
Frequency Range	1-43.5			GHz
Gain	25	27		dB
Gain Flatness		±1.5	±3	dB
Input VSWR		1.6	2.2	-
Output VSWR		1.6	2.2	-
Output Power for (P1dB)	12	14		dBm
Output Power Past		15		dBm
Noise Figure		4.5	6.5	dB
Spurious		-60		dBc
Output IP3		24		dBm
Input Max Power(no damage)			-8	dBm
DC Current (Vcc=+12V)		150		mA
Impedance	50			Ω
Input Output Connector	2.92-k			
Material	Aluminium\Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard); Hermetically Seal(Optional)			

Environmental Conditions

Operational Temperature	-45°C~+85°C	Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55°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	+18V
RF INPUT POWER	-8dBm
ESD sensitivity (HBm)	Class 0, passed 150V

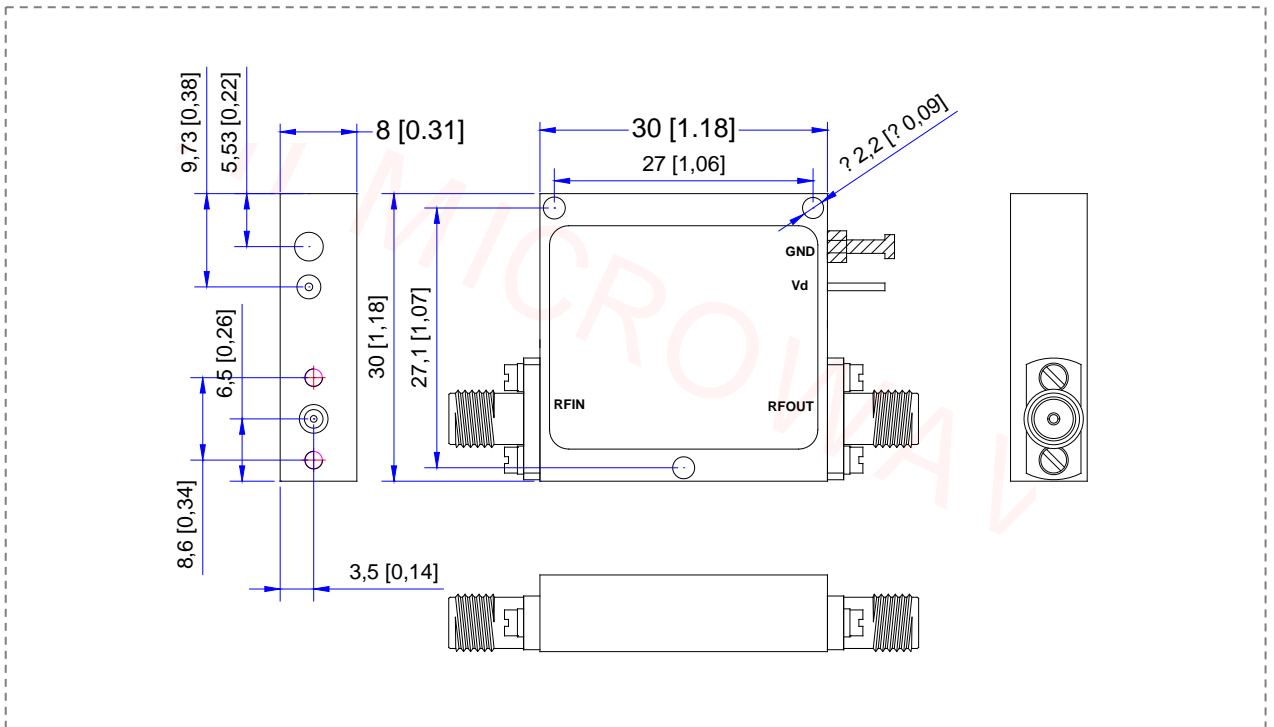


OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



Outline Drawing

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



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