



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

■ Features

- Ultra Wide Band: 0.1-30GHz
- Gain: 15dB
- Output Power: 20dBm
- High Output IP3: 26dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range		0.1-30		GHz
Gain		15		dB
Gain Flatness		±2.5		dB
Gain Variation Over Temperature		±1		dB
Input VSWR		2.5		
Output VSWR		2.5		
Output Power for 1 dB Compression (P1dB)		19		dBm
Saturated Output Power (Psat)		20		dBm
Noise Figure		5		dB
Input Max Power(no damage)			20	dBm
DC Current (Vcc=8~15V)		240		mA
Impedance		50		Ω
Input Output Connector		2.92		
Material		Aluminium		
Weight		30g		
Package Sealing		General Sealing (Standard)		

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

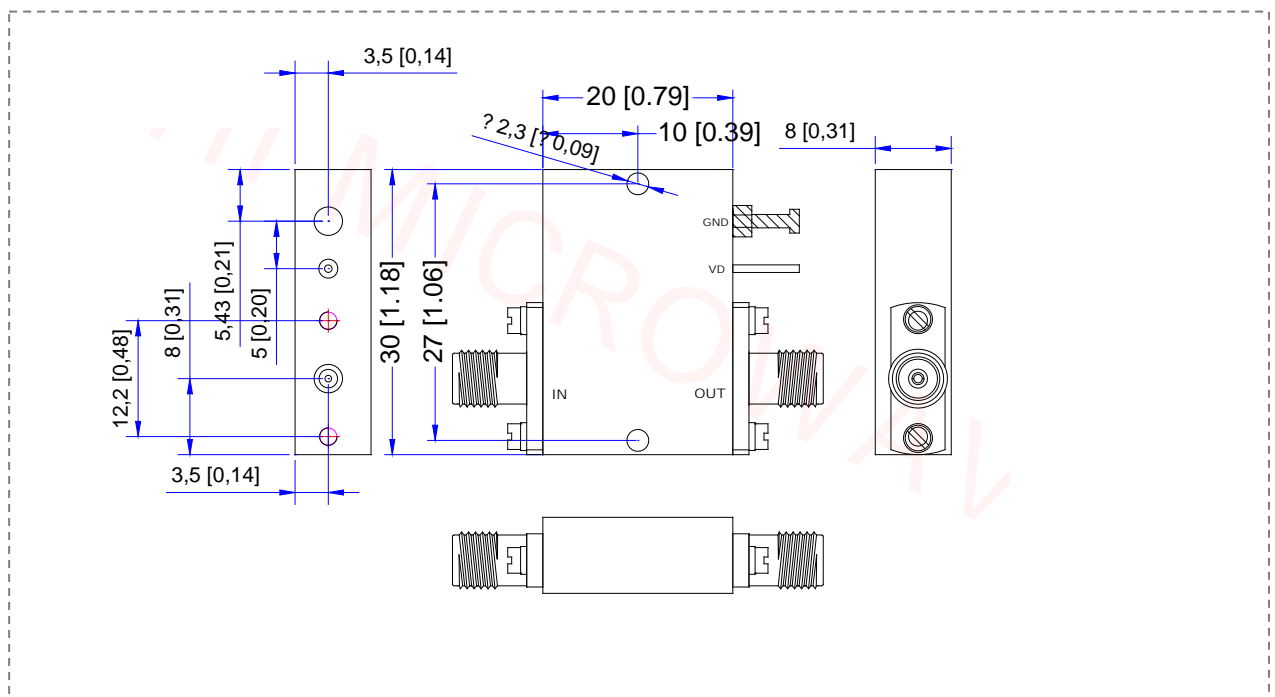
Absolute Maximum Ratings

Supply Bias Voltage	+18V
RF INPUT POWER	20dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

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



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

□ Typical Parameters

Typical Gain and Return Loss vs. Frequency

Bias: +12 V_{DC}/240 mA

