



■ Features

- Ultra Wide Band: 1-8GHz
- Gain: 35dB
- Output Power: 30dBm
- High Output IP3: 40dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	1-8			GHz
Gain	34	35		dB
Gain Flatness		±1.5	±2.5	dB
Input VSWR		1.5	2.0	-
Output VSWR		1.5	2.0	-
Noise Figure		3	3.5	dB
Output Power for 1 dB Compression (P1dB)		30		dBm
Saturated Output Power (Psat)		31		dBm
Spurious		-60		dBc
Input Max Power(no damage)			5	dBm
DC Current (Vcc=+12v)@(P1dB=1W)		500	900	mA
Impedance	50			Ω
Input Output Connector	SMA-Female/SMA-Female			
Material/Finishing	Aluminium/Conductive oxide			
Weight	50g			
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

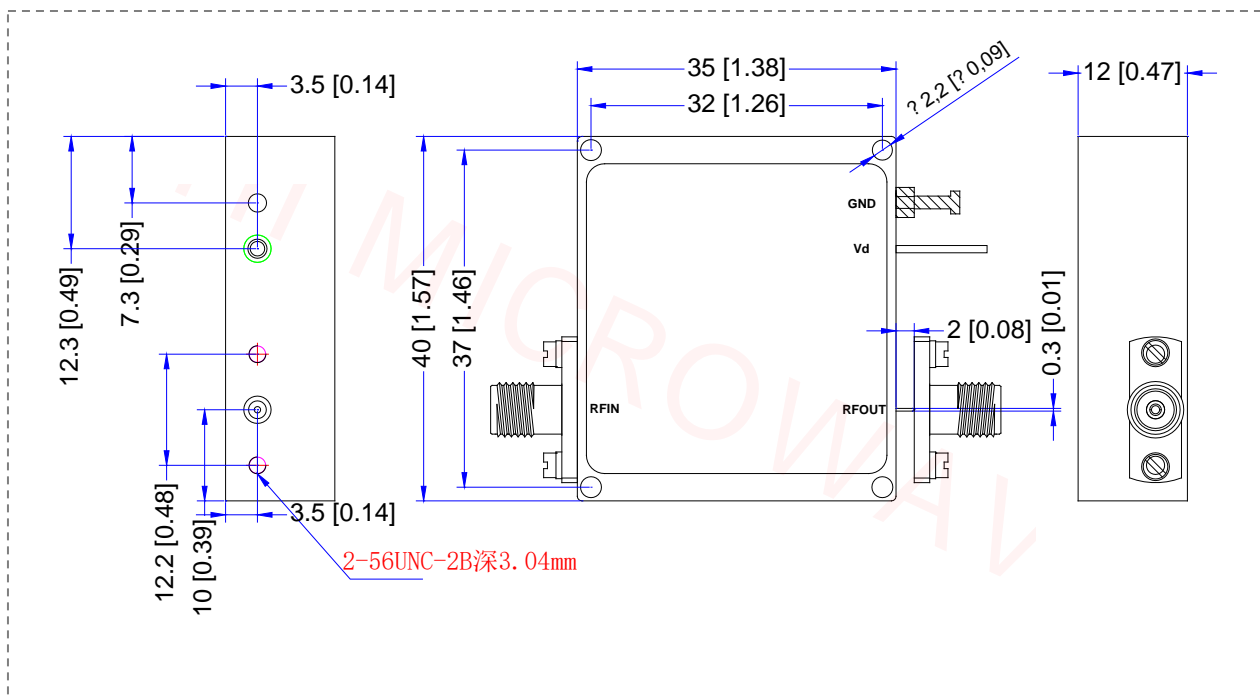
Supply Bias Voltage	+15V
RF INPUT POWER	5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES

Outline Drawing

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



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