



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

■ Features

- Ultra Wide Band: 0.1-50GHz
- Gain: 28dB
- Output Power: 20dBm
- High Output IP3: 30dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min	Typ	Max	Min	Typ	Max	Units
Frequency Range	0.1-1		1-50				GHz
Gain	27	29		25	27		dB
Gain Flatness		±2.5			±2.5		dB
Input VSWR		10			10		dB
Output VSWR		10			10		dB
Output Power for (P1dB)		21			19		dBm
Output Power Past		22			20		dBm
Noise Figure		5			5		dB
Output IP3		30			30		dBm
Input Max Power(no damage)			-8			-5	dBm
DC Current (Vcc=+12V)		400			400		mA
Impedance	50						Ω
Input Output Connector	2.4-k						
Material	Aluminium\Gold Painting						
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

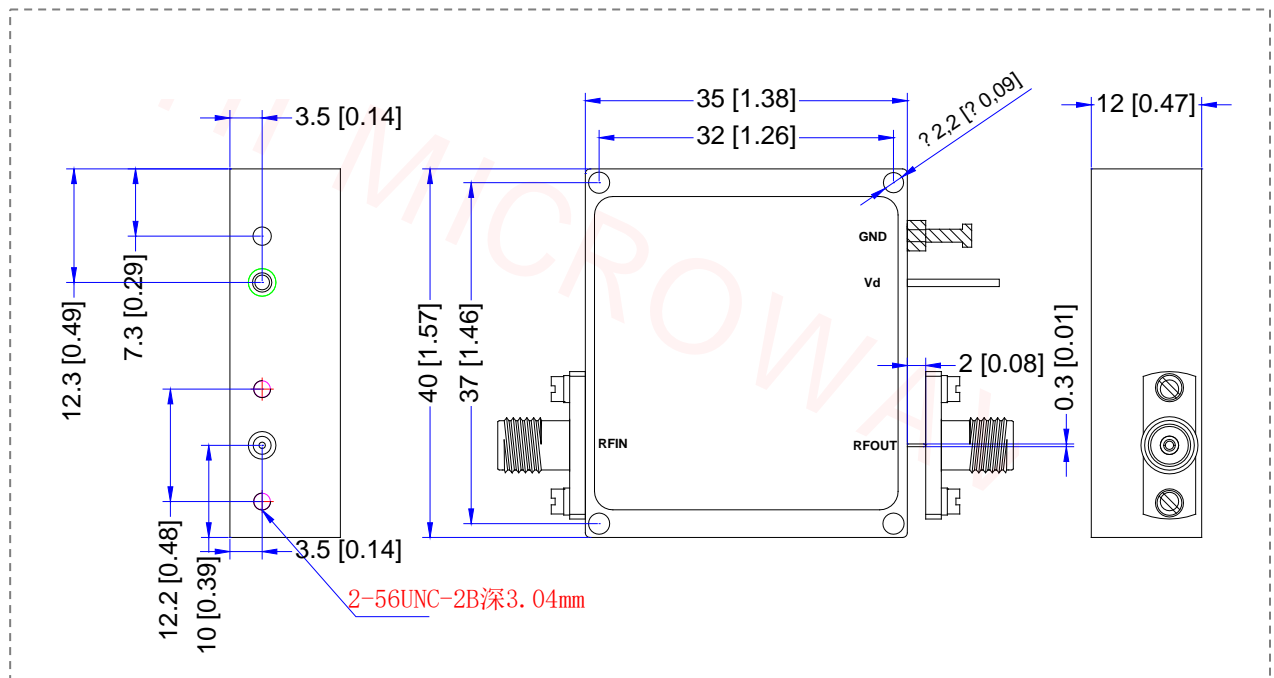
Absolute Maximum Ratings

Supply Bias Voltage	+18V
RF INPUT POWER	-5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

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



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