

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

### ■ Features

- Ultra Wide Band: 2.1-2.9GHz
- Gain: 45dB
- Output Power: 5dBm
- High Output IP3: 10dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	2.1-2.9			GHz
Gain	45			dB
Gain Flatness			±0.5	dB
Gain Stability			±0.5	dB
Input VSWR		1.2	1.25	
Output VSWR		1.2	1.25	
Output Power for 1 dB	5			dBm
Noise Figure		1.0	1.3	dB
Input Max Power(no damage)			-30	dBm
DC Current (Vcc=+12V)		200		mA
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium			
Weight	70g			
Package Sealing	General Sealing (Standard);			

### Environmental Conditions

Operational Temperature	0°C~+50°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	-30dBm
ESD sensitivity (HBm)	Class 0, passed 150V

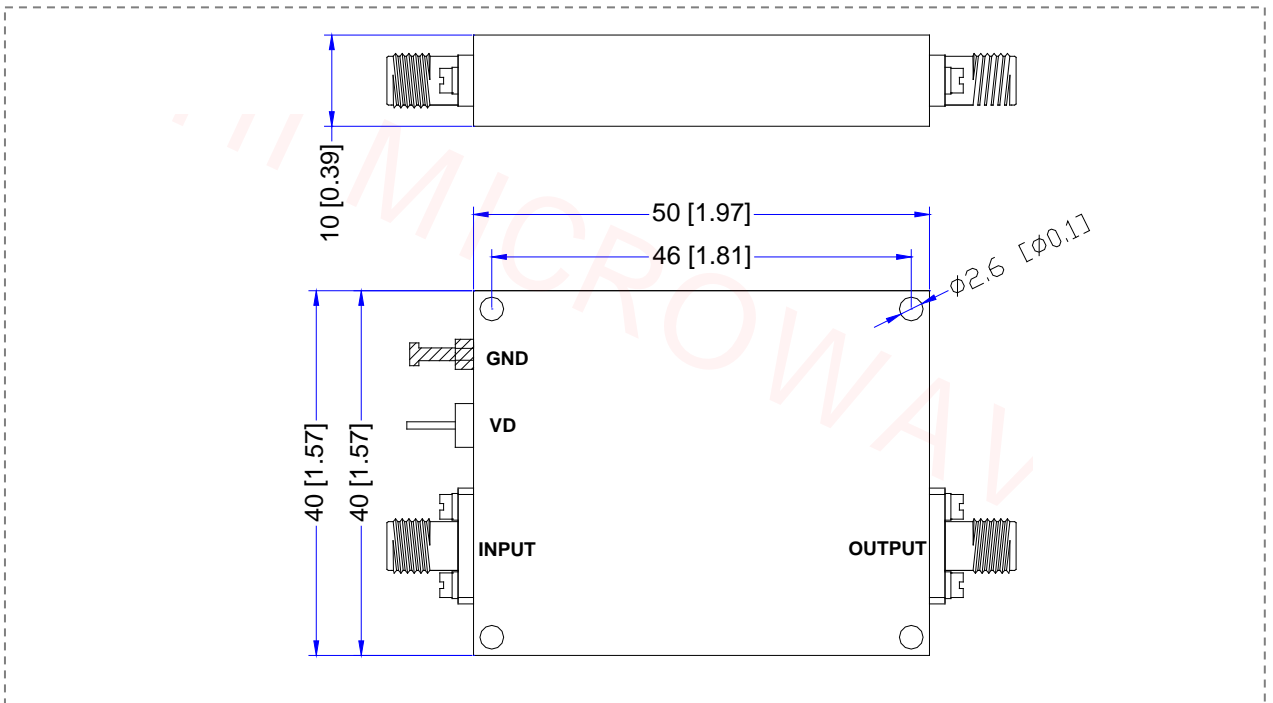


OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



### Outline Drawing

All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )



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