



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

### ■ Features

- Ultra Wide Band:
- Gain: 40dB
- Output Power: 15dBm
- High Output IP3: 30dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range		2~4		GHz
Gain	40	43		dB
Gain Flatness		±1	±1.5	dB
Gain Variation Over Temperature		±1		dB
Input VSWR		1.8	2.0	
Output VSWR		1.8	2.0	
Output Power for 1 dB	15	16		dBm
Saturated Output Power (Psat)		17		dBm
Noise Figure		1.2	1.5	dB
OIP3		30		
Suprious		-60		dBc
Input Max Power(no damage)			-20	dBm
Reverse Isolation		60		dB
DC Current (Vcc=12~+15V)		500		mA
Impedance		50		Ω
Input Output Connector		SMA-k/SMA-K		
Material		Aluminium		
Weight		50g		
Package Sealing		General Sealing (Standard);		

### Environmental Conditions

<b>Operational Temperature</b>	-45°C~+85°C	<b>Vibration</b>	25g rms (15 degree 2KHz) endurance, 1 hour per axis
<b>Storage Temperature</b>	-55°C~+125°C	<b>Shock</b>	20G for 11msc half sin wave, 3 axis both directions
<b>Executive Standard</b>	MIL-STD-810G	<b>Humidity</b>	100% RH at 35c, 95%RH at 40°C

### Absolute Maximum Ratings

<b>Supply Bias Voltage</b>	15V
<b>RF INPUT POWER</b>	-20dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V

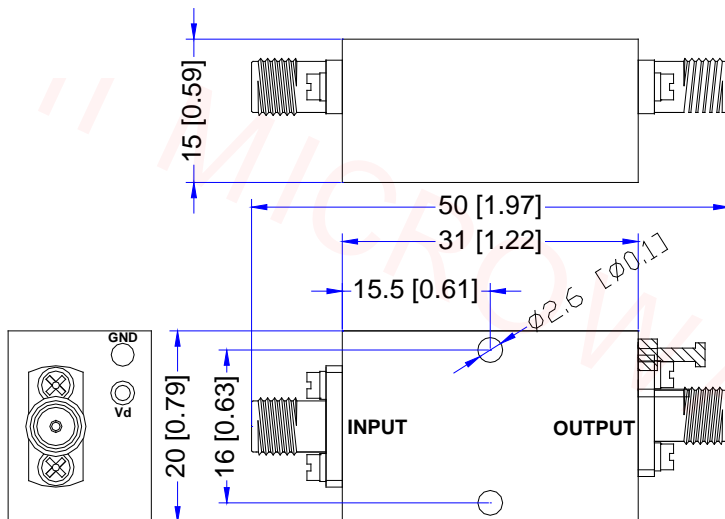


OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES



### Outline Drawing

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



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