



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

### ■ Features

- Ultra Broadband: 0.1-2GHz
- Gain: 17dB
- Output Power: 13dBm
- High Output IP3: 20dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receiving Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.1-2.0			GHz
Gain	14	17		dB
Gain Flatness		±0.5	±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 Compression (P1dB)	12	13		dBm
Output Power Past		13		dBm
Noise Figure		0.9	1.1	dB
OIP3		20		dBm
Input Max Power(no damage)			+5	dBm
DC Current (Vcc=+12V)		75	90	mA
Weight	30			g
Impedance	50			Ω
Input Connector	SMA-K			
Output Connector	SMA-K			
Material/Finishing	Copper/Gold Plating			
Package Sealing	General Sealing (Standard); Hermetically Seal(Optional)			

### 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

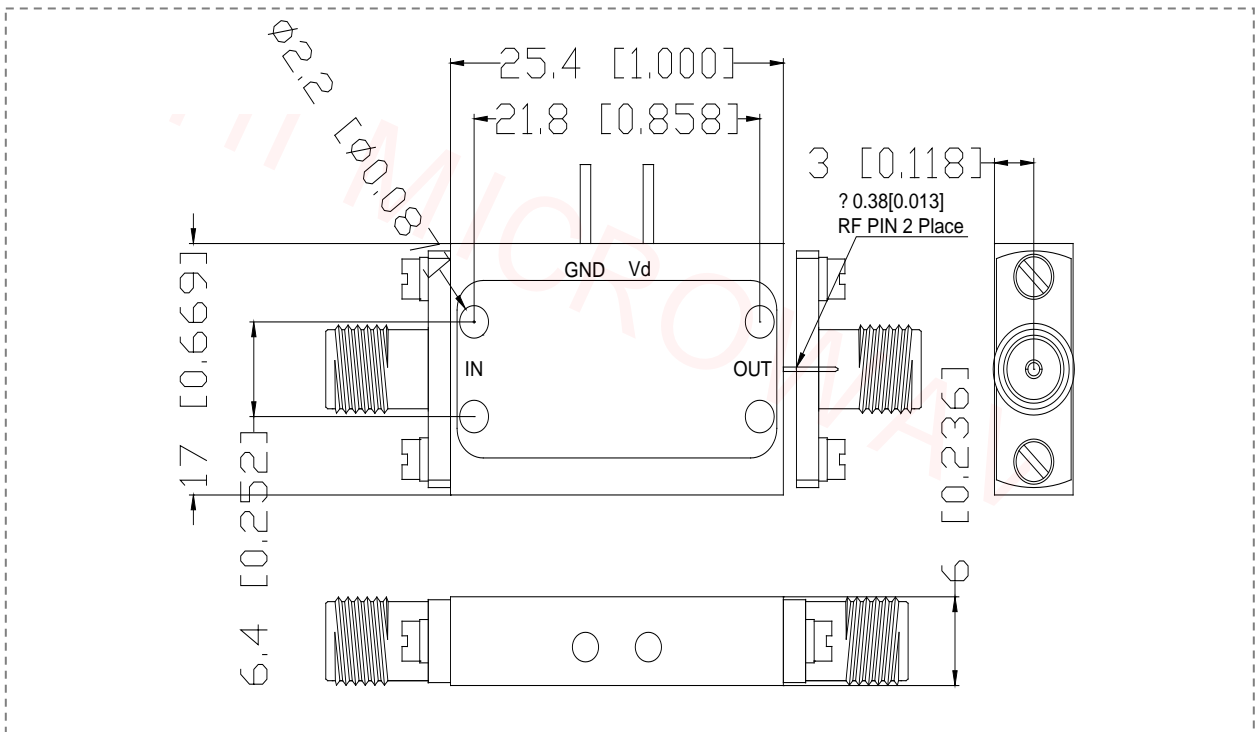
### Absolute Maximum Ratings

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



### Outline Drawing

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



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