



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

■ Features

- Ultra Wide Band: 6-20GHz
- Gain: 16dB
- Output Power: 14dBm
- High Output IP3: 20dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Min.	Typ.	Max	Units
Frequency Range	6~13			13-20			GHz
Gain		16			15		dB
Gain Flatness		±1.0			±1.0		dB
Gain Variation Over Temperature		±1			±1		dB
Input VSWR		1.4	2.0		1.4	2.0	
Output VSWR		1.6	2.0		1.6	2.0	
Output Power for 1 dB		15			14		dBm
Saturated Output Power (Psat)		16			15		dBm
Noise Figure		3			2.6		dB
OIP3		20			20		
Input Max Power(no damage)			-5			-5	dBm
DC Current (Vcc=+12V)		70			70		mA
Impedance	50						Ω
Input Output Connector	SMA-k/SMA-K						
Material	Aluminium/Gold						
Weight	50g						
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	18V
RF INPUT POWER	-5dBm
ESD sensitivity (HBm)	Class 0, passed 150V

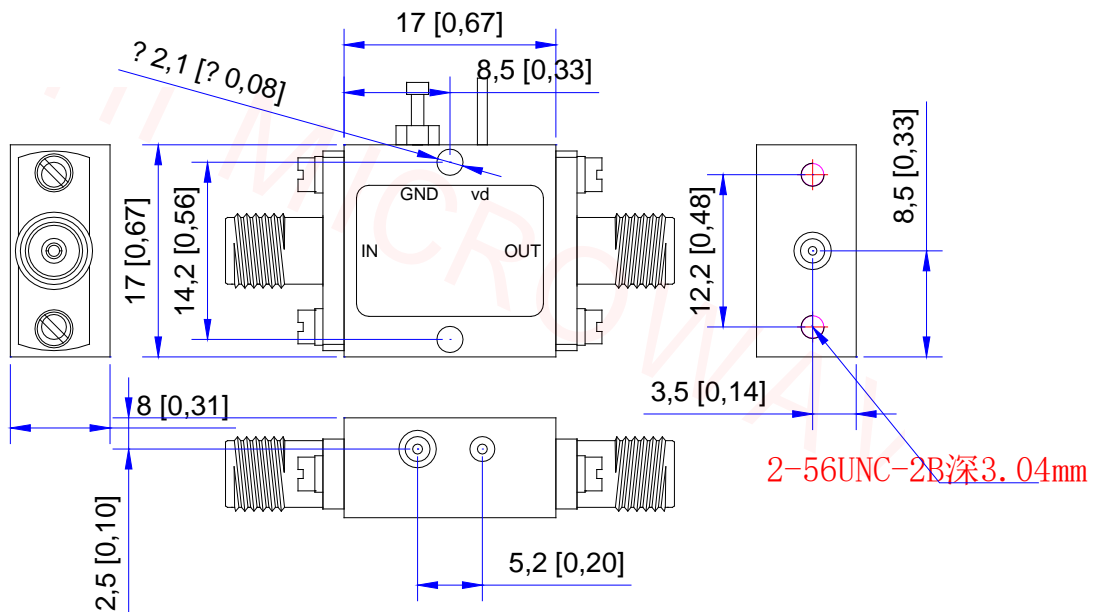


OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES



Outline Drawing

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



Heat Sink required during operation