

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

### ■ Features

- Ultra Wide Band: 37-67GHz
- Gain: 32dB
- Output Power: 31dBm
- High Output IP3: 42dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications


Parameter	Min.	Typ.	Max	Units
Frequency Range	37-67			GHz
Gain		32		dB
Gain Flatness		± 2.5		dB
Input VSWR		2.0		dB
Output VSWR		2.0		dB
Output Power for 1 dB Compression (P1dB)		30		dBm
Saturated Output Power (Psat)		31		dBm
OIP3		42		dBm
Spurious		-60		dBc
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+12V)		2		A
Impedance	50			Ω
Input Output Connector	1.85-k			
Material	Aluminium/Gold Painting			
Weight	50g			
Size	56X65X12mm			
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	+13V
RF INPUT POWER	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

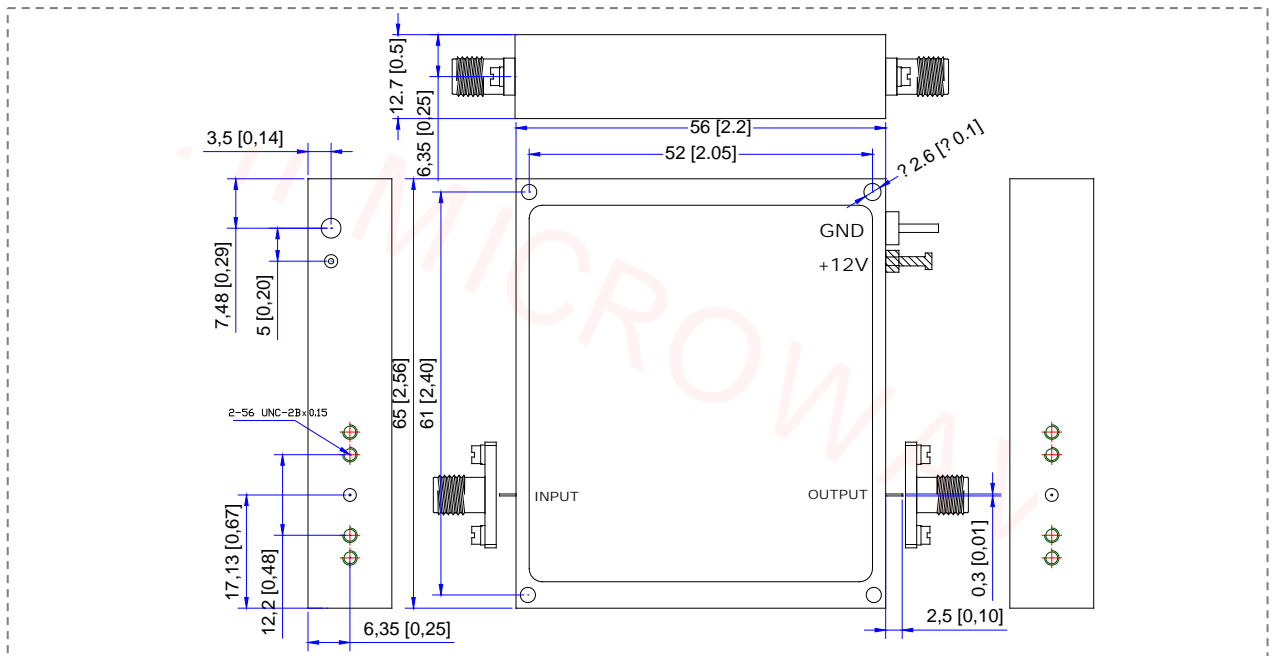


OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES



### Outline Drawing

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



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