



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

### ■ Features

- Ultra Wide Band: 18-25GHz
- Gain: 35dBm
- Output Power Psat: 35dBm
- Bias: Vd=12V;Id=2.3A

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	18-25			GHz
Small Signal Gain	35			dB
Gain Flatness		± 1.5	± 2.0	dB
Input VSWR		1.8	2.0	-
Output VSWR		2.0	2.9	-
Output Power for 1 dB Compression (P1dB)	33.5	34		dBm
Saturated Output Power (Psat)	34.5			dBm
Input Max Power(no damage)			10	dBm
DC Current (Vcc=12V) (@Pout=3W)		2.3	3	A
Impedance	50			Ω
Input Output Connector	SMA-K			
Material	Aluminium/Gold Painting			
Weight	-			
Dimension	55mmX35mmX12mm			

### Environmental Conditions

Operational Temperature	-45°C~+65°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

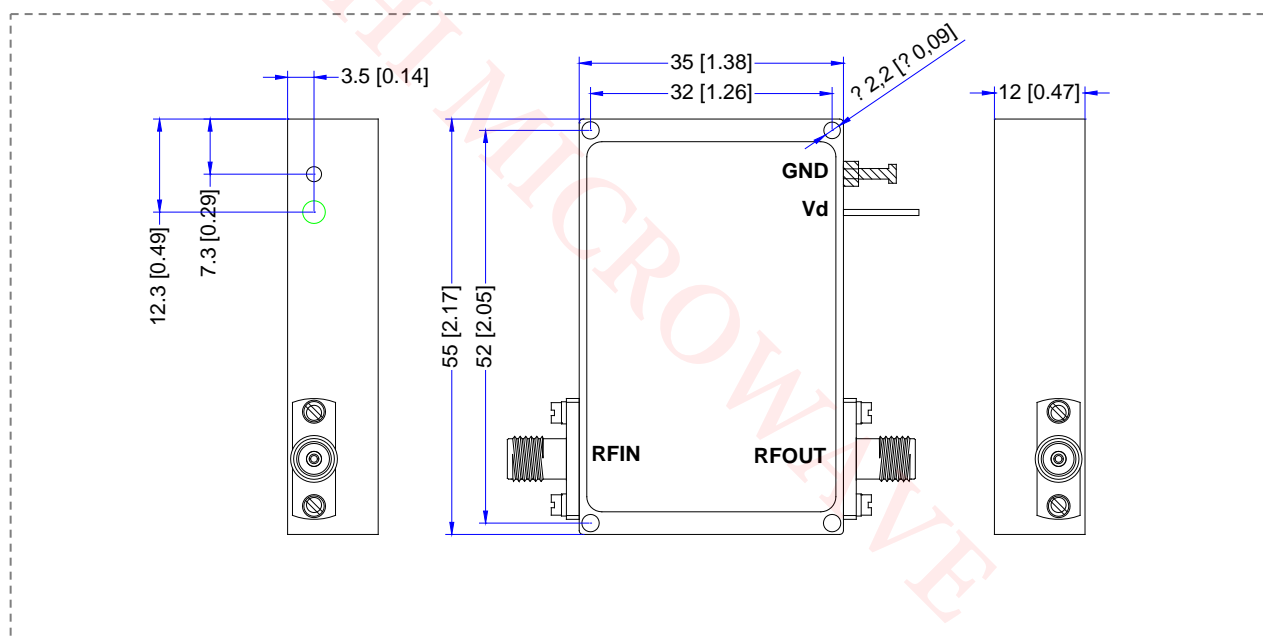
Supply Bias Voltage	+13V
RF INPUT POWER	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V



OBSERVE PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES

### Outline Drawing

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



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

### Performance Plot

Gain&Input VSWR&Output VSWR&Isolation

