



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

### ■ Features

- Ultra Wide Band: 18-26.5GHz
- Gain: 35dBm
- Output Power Psat: 35.5dBm
- Bias: Vd=12V;Id=2.3A

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	18-26.5			GHz
Small Signal Gain	35			dB
Gain Flatness		±1.5	±2.0	dB
Input VSWR		1.8	2.0	-
Output VSWR		2.0	2.5	-
Output Power for 1 dB Compression (P1dB)		35		dBm
Saturated Output Power (Psat)		35.5		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

<b>Operational Temperature</b>	-45°C~+65°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

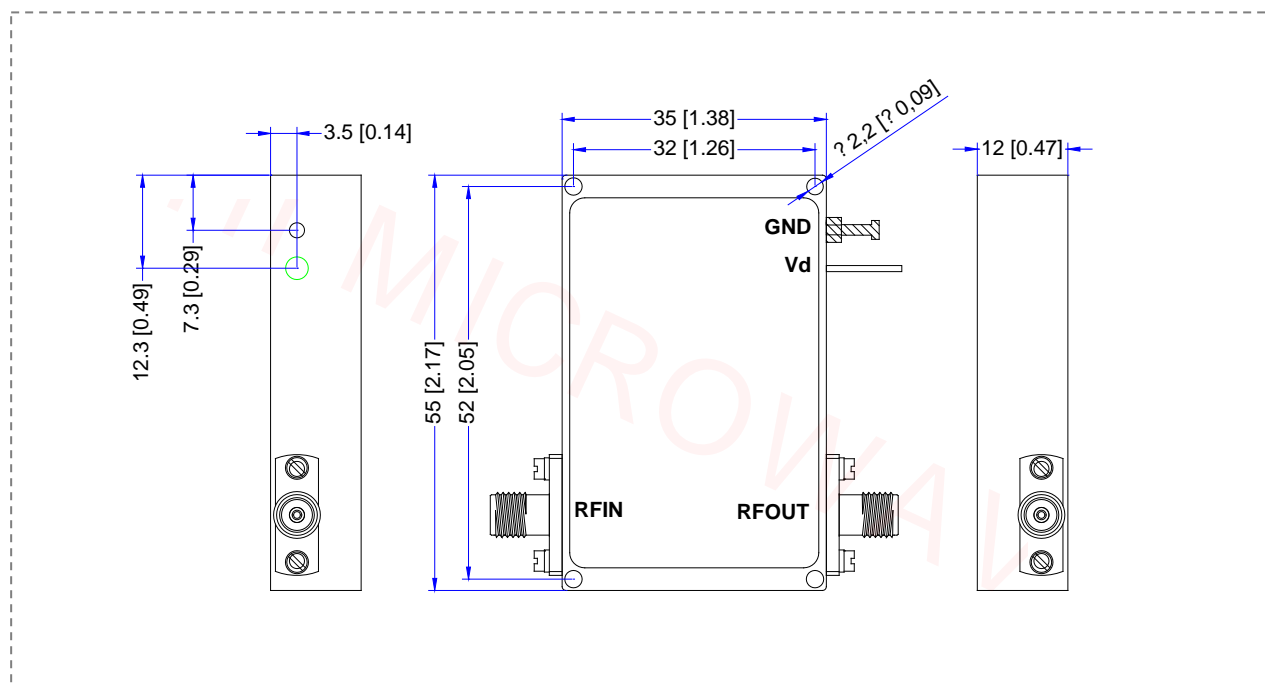
<b>Supply Bias Voltage</b>	+15V
<b>RF INPUT POWER</b>	10dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V



OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES

### Outline Drawing

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



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