

# MODEL HILNA26501860

## 26.5-50GHz Broadband Amplifier



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

### ■ Features

- Ultra Wide Band: 26.5-50GHz
- Gain: 18dB
- Output Power: 15dBm
- High Output IP3: 20dBm

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	26.5-50			GHz
Gain	15	18		dB
Gain Flatness		±2	±3	dB
Input VSWER		1.8	2.0	-
Output VSWR		1.8	2.0	-
Output Power for (P1dB)		14		dBm
Output Power Past		15		dBm
Spourise		-60		dBc
Noise Figure		6		dB
Output IP3		20		dBm
Input Max Power(no damage)			+5	dBm
DC Current (Vcc=+12V)		200		mA
Impedance	50			Ω
Input Output Connector	2.4-K			
Material	Aluminium\Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard)			

### Environmental Conditions

<b>Operational Temperature</b>	-45°C~+85°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>	+13V
<b>RF INPUT POWER</b>	5dBm
<b>ESD sensitivity (HBm)</b>	Class 0, passed 150V

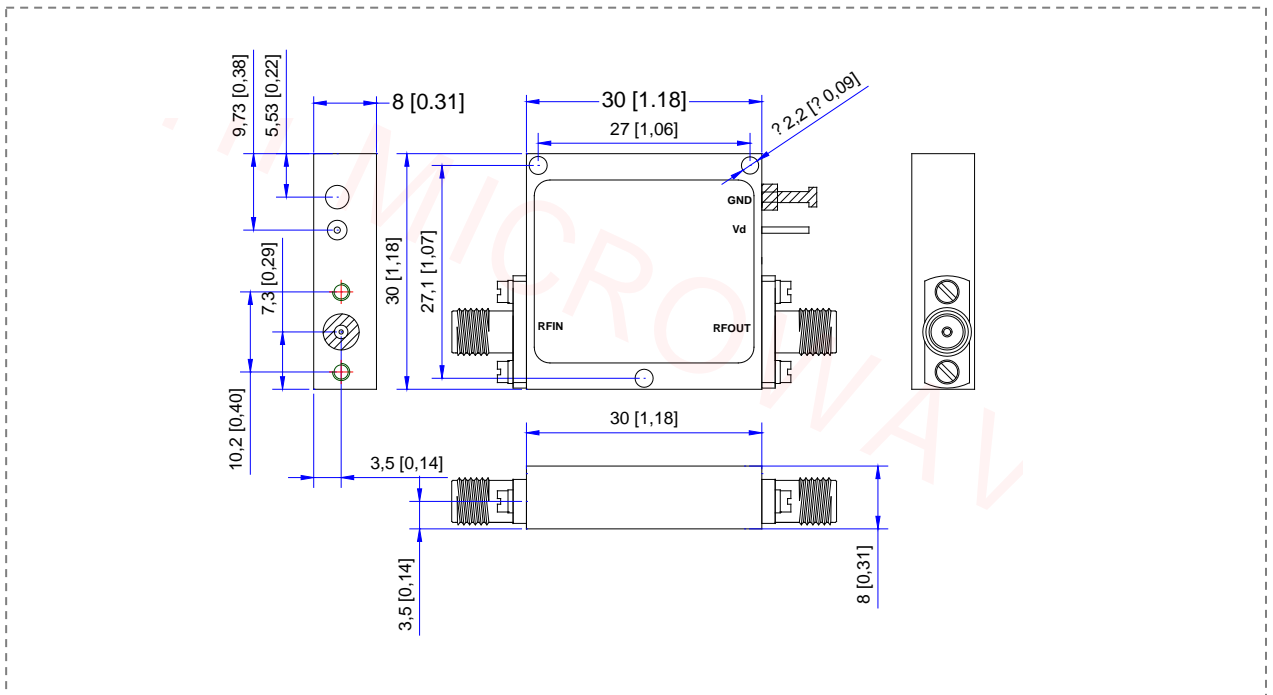


OBSERVE  
PRECAUTIONS  
ELECTROSTATIC  
SENSITIVE  
DEVICES



### Outline Drawing

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



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