MODEL HILNA02042515
2-4GHz Low Noise Amplifier

■ Features

- Ultra Wide Band:
- Gain: 26dB
- Output Power: 26dBm
- High Output IP3: 42dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

☐ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range		2~4		GHz
Gain	23		26	dB
Gain Flatness		±1	±1.5	dB
Gain Variation Over Temperature		±1		dB
Input VSWR		1.8	2.0	
Output VSWR		1.8	2.0	
Output Power for 1 dB	24	26		dBm
Saturated Output Power (Psat)		26		dBm
Noise Figure		1.5	2	dB
OIP3	40	42		
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+12V)		200	250	mA
Impedance		50		Ω
Input Output Connector		SMA-k/SMA-K		
Material		Aluminium		
Weight		50g		
Package Sealing		General Sealing (Standard);		

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☐ Environmental Conditions

Operational Temperature	-45℃~+85℃	**Vibration**	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Storage Temperature	-55℃~+125℃	**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℃

☐ Absolute Maximum Ratings

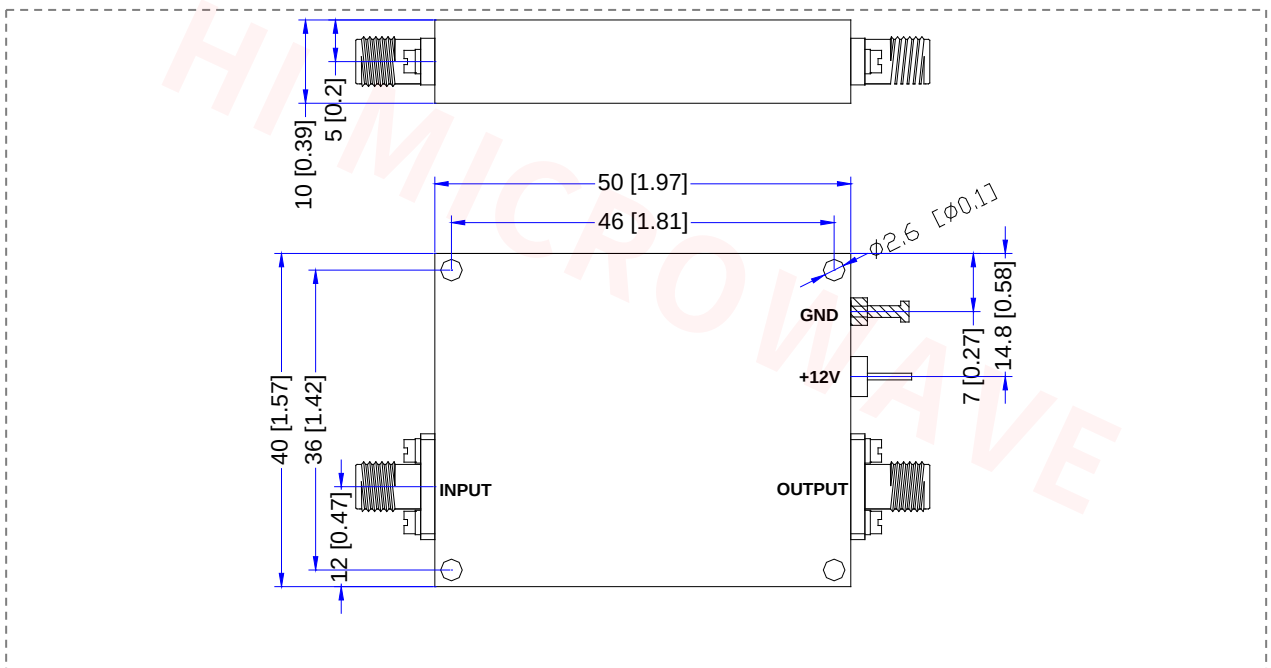
Supply Bias Voltage	15V
RF INPUT POWER	10dBm
ESD sensitivity (HBm)	Class 0, passed 150V

OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES

RoHS Compliant

☐ Outline Drawing

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



Heat Sink required during operation