



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

### ■ Features

- Ultra Wide Band: 37-40GHz
- Gain: 30dB
- Output Power P-1: 27dBm
- Bias: Vd= +6~15V; Id= 1800mA

### ■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

### □ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range		37-40		GHz
Small Signal Gain		30		dB
Gain Flatness		±1.5		dB
Input VSWR		2.0		-
Output VSWR		1.9		-
Output Power for 1 dB Compression (P1dB)		27		dBm
Output Power Past		29		dBm
Input Max Power(no damage)			5	dBm
Suprious		-60		dBc
OIP3		35		dBm
DC Current (Vcc=+6~15V)		1800		mA
Weight		50		g
Impedance		50		Ω
Input Connector/Output Connector		K-Female		
Material		Aluminum		
Finishing		Gold Plated		
Dimension		1.2" (W) X 1.20" (L) X 0.50" (H)		

### Environmental Conditions

Operational Temperature	0°C~+50°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

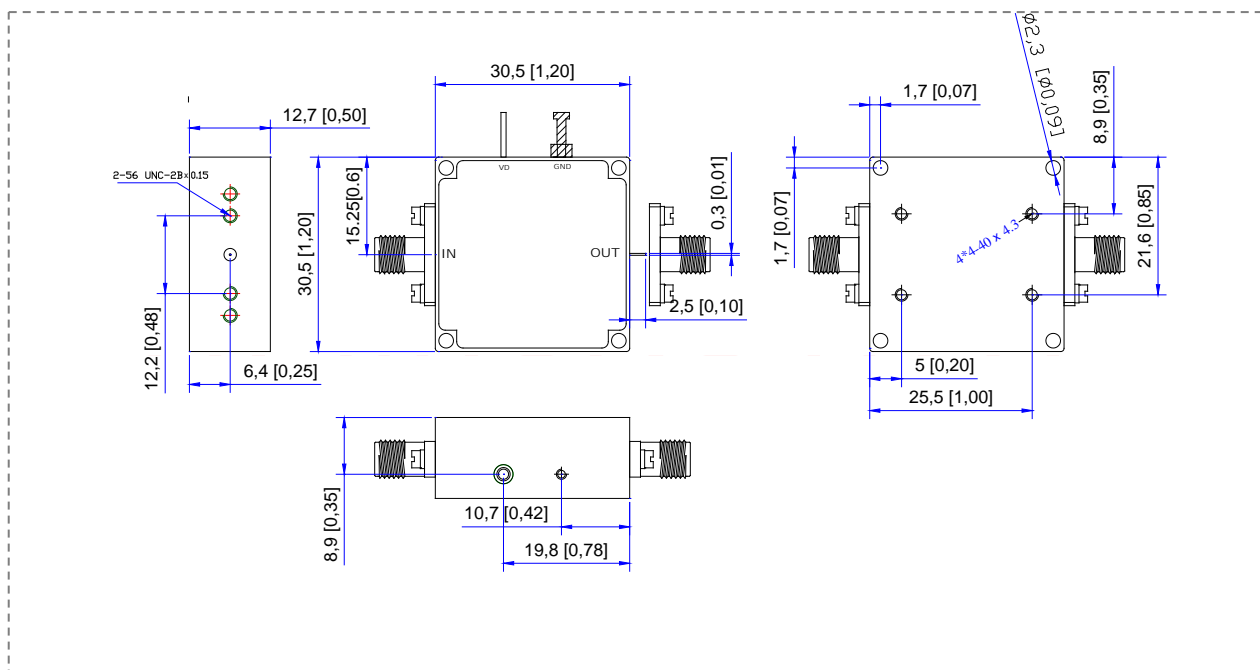
### Absolute Maximum Ratings

Supply Bias Voltage	15V
RF INPUT POWER	+5dBm
ESD sensitivity (HBm)	Class 0, passed 150V



### Outline Drawing

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



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