



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

■ Features

- Ultra Wide Band: 2-6GHz
- Gain: 30dB
- Output Power Psat: 18dBm
- High Output IP3: 30dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

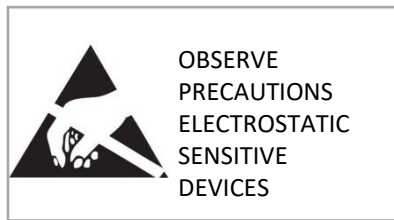
Parameter	Min.	Typ.	Max	Units
Frequency Range	2-6			GHz
Gain	28	30		dB
Gain Flatness		±1.0	±1.5	dB
Input VSWR		1.8	2.0	-
Output VSWR		1.5	2.0	-
Output Power for 1 dB Compression (P1dB)	16	17		dBm
Noise Figure		2.5	5	dB
Output IP3	24	26		dBm
Input Max Power(no damage)		10		dBm
DC Current (Vcc=+12V)		120	150	mA
Impedance	50			Ω
Input Output Connector	SMA-k			
Material	Aluminium			
Weight	80g			
Package Sealing	General Sealing (Standard); Hermetically Seal(Optional)			

Environmental Conditions

Operational Temperature	-45°C~+85°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

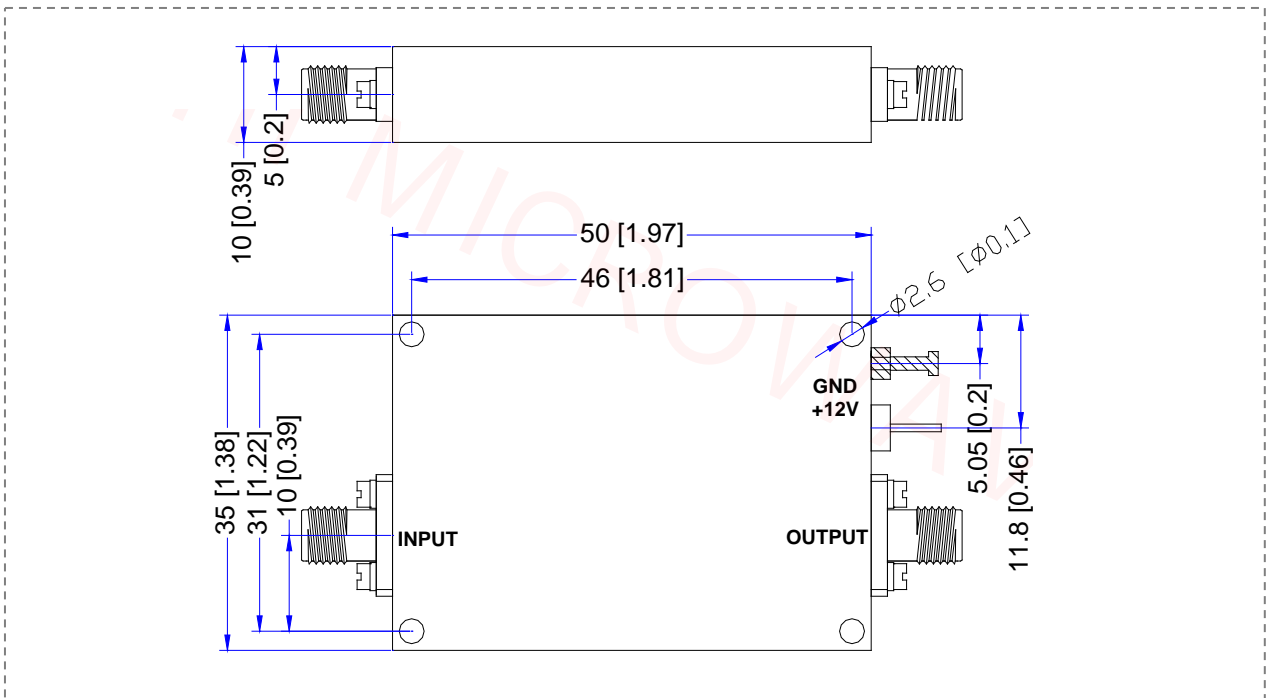
Absolute Maximum Ratings

Supply Bias Voltage	+14V
RF INPUT POWER	15dBm
ESD sensitivity (HBm)	Class 0, passed 150V



Outline Drawing

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



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