

MODEL HIPA23354030

23-35GHz Broadband Power Amplifier



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

■ Features

- Ultra Wide Band: 23-35GHz
- Gain: 40dB
- Output Power Psat: 30dBm
- Bias: Vd=12V;Id=1.2A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems


□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	23-35			GHz
Small Signal Gain		40		dB
Gain Flatness		±2.0		dB
Input VSWR		2.0		-
Output VSWR		2.0		-
Output Power for 1 dB Compression (P1dB)		28		dBm
Saturated Output Power (Psat)		30		dBm
NF		7		dB
Input Max Power(no damage)			10	dBm
DC Current (Vcc=+6~15V)		1100		A
Impedance	50			Ω
Input Output Connector	2.92			
Material	Aluminium/Gold Painting			
Weight	200g			
Dimension	50Xmm45mmX12mm			

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

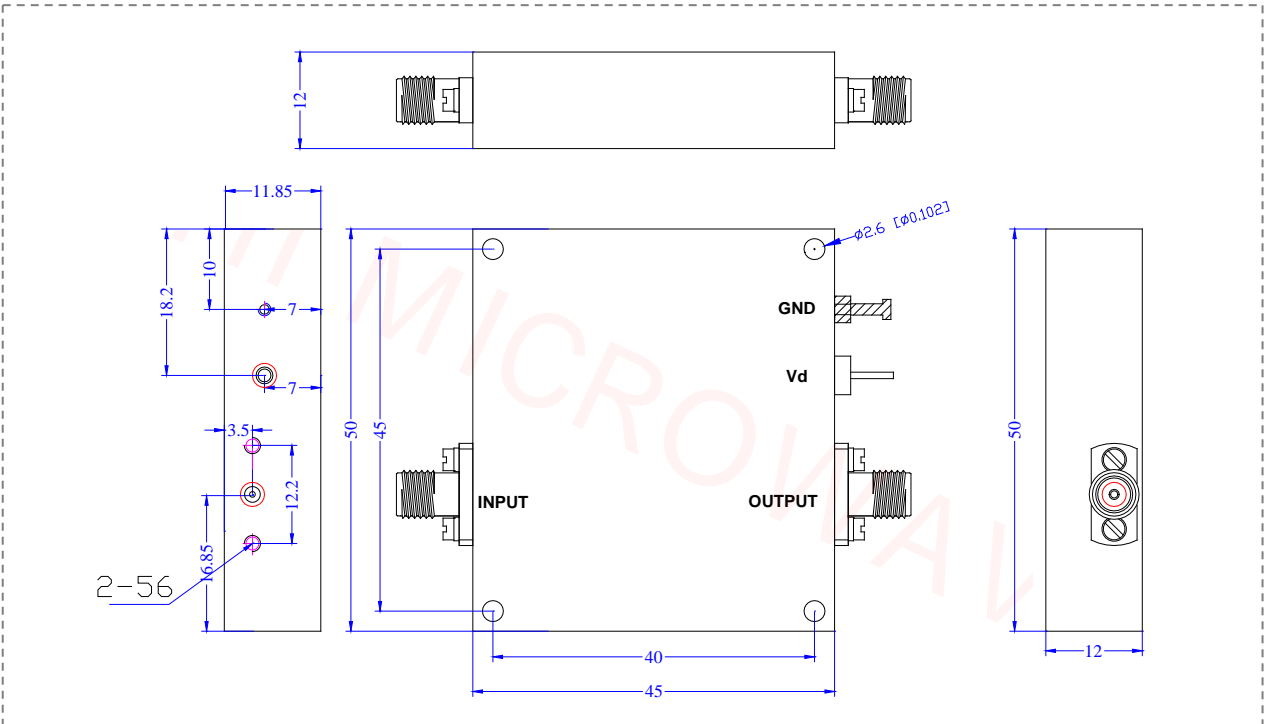
Absolute Maximum Ratings

Supply Bias Voltage	+20V	 <p>OBSERVE PRECAUTIONS ELECTROSTATIC SENSITIVE DEVICES</p>
RF INPUT POWER	10dBm	
ESD sensitivity (HBm)	Class 0, passed 150V	



Outline Drawing

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



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