



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

■ Features

- Ultra Wide Band: 4-8GHz
- Gain: 45dB
- Output Power: 15dBm
- High Output IP3: 25dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	4-8			GHz
Gain	45	48		dB
Gain Flatness		±0.8	±1.0	dB
Gain Variation Over Temperature		±1		dB
Input VSWR		1.5	1.6	dB
Output VSWR		1.5	1.6	dB
Output Power for 1 dB Compression (P1dB)	14	15		dBm
Saturated Output Power (P _{sat})		16		dBm
Noise Figure		0.8	1.0	dB
Input Max Power(no damage)			-28	dBm
DC Current (V _{cc} =+12~15V)		100	150	mA
Impedance	50			Ω
Input Output Connector	SMA-k/SMA-K			
Material	Aluminium/Gold			
Weight	50g			
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	18V
RF INPUT POWER	-28dBm
ESD sensitivity (HBm)	Class 0, passed 150V

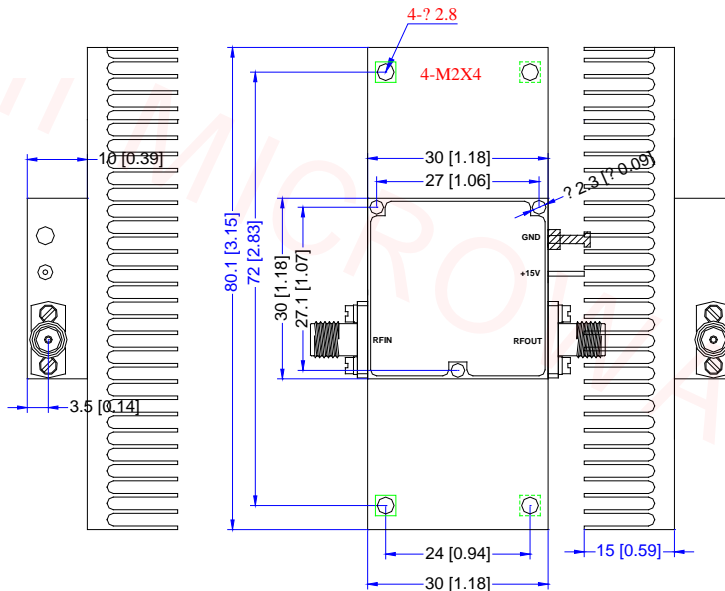


OBSERVE PRECAUTIONS
ELECTROSTATIC SENSITIVE
DEVICES



Outline Drawing

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



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