



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

■ Features

- Ultra Wide Band: 40-60GHz
- Gain: 35dB
- Output Power: 10dBm
- High Output IP3: 18dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

Parameter	Min.	Typ.	Max	Units
Frequency Range	40-60			GHz
Gain	30	32		dB
Gain Flatness		± 2.5		dB
Input VSWR		2		-
Output VSWR		2		-
Output Power for (P1dB)		10		dBm
Output Power Past		10		dBm
Noise Figure		6		dB
Output IP3		18		dBm
Input Max Power(no damage)			-15	dBm
DC Current (Vcc=+12V)		240		mA
Impedance	50			Ω
Input Output Connector	1.85-K			
Material	Aluminium\Gold Painting			
Weight	50g			
Package Sealing	General Sealing (Standard)			

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	-15dBm
ESD sensitivity (HBm)	Class 0, passed 150V

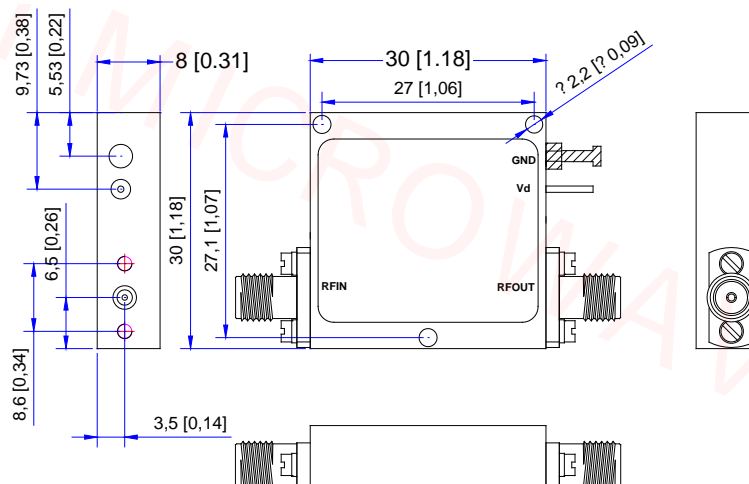


OBSERVE
PRECAUTIONS
ELECTROSTATIC
SENSITIVE
DEVICES



Outline Drawing

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



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