



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

■ Features

- Ultra Wide Band: 0.1-30GHz
- Gain: 15dB
- Output Power: 16dBm
- High Output IP3: 26dBm

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

| Parameter | Min. | Typ. | Max | Units |
|--|----------------------------|------|-----|-------|
| Frequency Range | 0.1-30 | | | GHz |
| Gain | | 15 | | dB |
| Gain Flatness | | ±2.5 | | dB |
| Gain Variation Over Temperature | | ±1 | | dB |
| Input VSWR | | 2.5 | | |
| Output VSWR | | 2.5 | | |
| Output Power for 1 dB Compression (P1dB) | | 16 | | dBm |
| Saturated Output Power (Psat) | | 17 | | dBm |
| Noise Figure | | 5 | | dB |
| Input Max Power(no damage) | | | 20 | dBm |
| DC Current (Vcc=6~15V) | | 160 | | mA |
| Impedance | 50 | | | Ω |
| Input Output Connector | 2.92 | | | |
| Material | Aluminium | | | |
| Weight | 30g | | | |
| 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 |

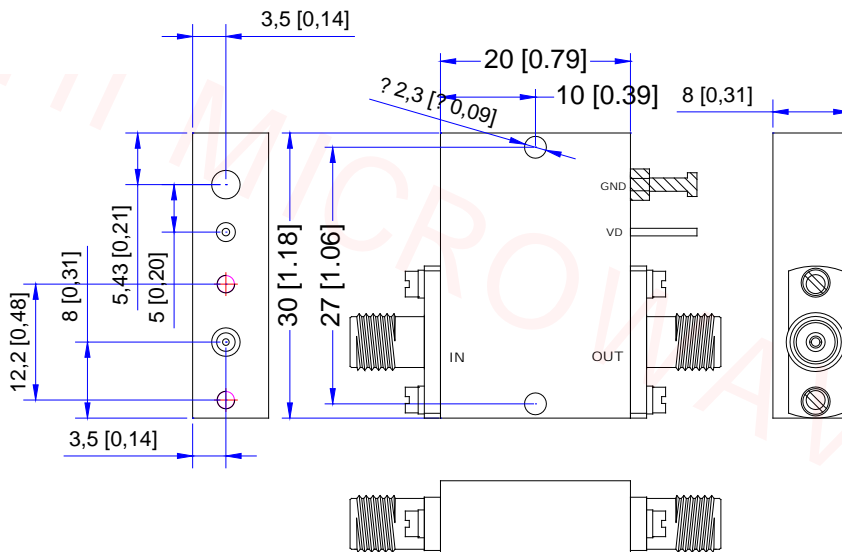
Absolute Maximum Ratings

| | |
|-----------------------|----------------------|
| Supply Bias Voltage | +18V |
| RF INPUT POWER | 20dBm |
| ESD sensitivity (HBm) | Class 0, passed 150V |



Outline Drawing

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



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