

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

■ Features

- Ultra Wide Band: 40-42GHz
- Gain: 40dB
- Output Power Psat: 34dBm
- Bias: 28V/1.5A

■ Applications

- Radar Systems
- Communication Systems
- Receivers Systems

□ Electrical Specifications

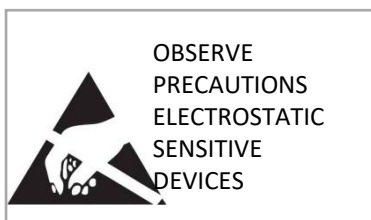
| Parameter | Min. | Typ. | Max | Units |
|--|-----------|-------|-----|-------|
| Frequency Range | 40-42 | | | GHz |
| Small Signal Gain | 40 | | | dB |
| Gain Flatness | | ± 1.5 | | dB |
| Input VSWR | | 2.0 | | - |
| Output Power for 1 dB Compression (P1dB) | 33 | | | dBm |
| Saturated Output Power (Psat) | | 34 | | dBm |
| Input Max Power(no damage) | | | 0 | dBm |
| Internally Generated Spurious | | -60 | | dBc |
| Supply DC power(+28V) | | 1.5 | | A |
| Impedance | 50 | | | Ω |
| Input Output Connector | 2.4-K | | | |
| Material | Aluminium | | | |
| Weight | 80g | | | |

Environmental Conditions

| | | | |
|--------------------------------|--------------|------------------|---|
| Operational Temperature | -25°C~+65°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 | 28V |
| RF INPUT POWER | 0dBm |
| ESD sensitivity (HBm) | Class 0, passed 150V |



Outline Drawing

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

