

SAC1285

Low Noise Amplifier Hermetically Sealed Module 0.7~2.7GHz

Rev1.0

Features

- Frequency: 0.7~2.7 GHz
- Gain: 35dB
- Noise Figure: 2.5dB Typ
- Gain Flatness: ± 1 dB
- Supply Voltage: +12V
- Supply Current: 0.12A

Typical Applications

- Radar and ECM
- RF/ Microwave Radio
- Military and Space
- Test and Measurement
- Fiber Optics

General Description

SAC1285 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.7 to 2.7 GHz with 35 dB of gain and 15dBm Output P_{1dB}.

Electrical Performance

| Parameter | Min. | Typ. | Max. | Units |
|--|---------|---------|------|-------|
| Frequency Range | 0.7~2.7 | | | GHz |
| Gain | 27 | — | 35 | dB |
| Gain Flatness | — | ± 1 | — | dB |
| Input VSWR | — | — | 2.0 | :1 |
| Output VSWR | — | — | 2.0 | :1 |
| Noise Figure | — | 2.5 | 3.5 | dB |
| Output Power for 1 dB Compression (OP _{1dB}) | 15 | — | — | dBm |
| Supply Voltage | — | 12 | — | V |
| Supply Current (I _D) | — | 0.12 | 0.28 | A |

Mechanical Outline

All dimensions are in millimeters

