

SAC1191



Slopping Amplifier Module 0.8~4.1GHz

v1.6

Features

- Frequency: 0.8~4.1GHz
- Gain: 25dB@0.8GHz,
35dB@4.1GHz
- Supply Voltage: +15V@700mA
- RoHs compliant

Typical Applications

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

General Description

SAC1191 is a slopping amplifier module with a typical small signal gain of 25dB@0.8GHz, 35 dB Gain @ 4.1 GHz, and a nominal OP_{-0.1dB} of +29dBm.

Electrical Performance

| Parameter | Min. | Typ. | Max. | Units | |
|--|-----------------------------|------|------|-------|----|
| Frequency Range | 0.8~4.1 | | | GHz | |
| Gain | 0.8GHz | — | 25 | — | dB |
| | 4.1GHz | — | 35 | — | |
| | Gain@4.1GHz- Gain@0.8GHz | 8 | 10 | — | |
| S11 | — | -20 | -18 | dB | |
| S22 | — | -18 | -15 | dB | |
| S12 | | -80 | -70 | dB | |
| Output Power for 0.1 dB Compression (OP _{-0.1dB}) | 29 | — | — | dBm | |
| Input stimulus | -20 | — | 0 | dBm | |
| RF shielding | 100 | — | — | dB | |
| Supply Current(I _D) | — | 800 | — | mA | |
| | | | | | |

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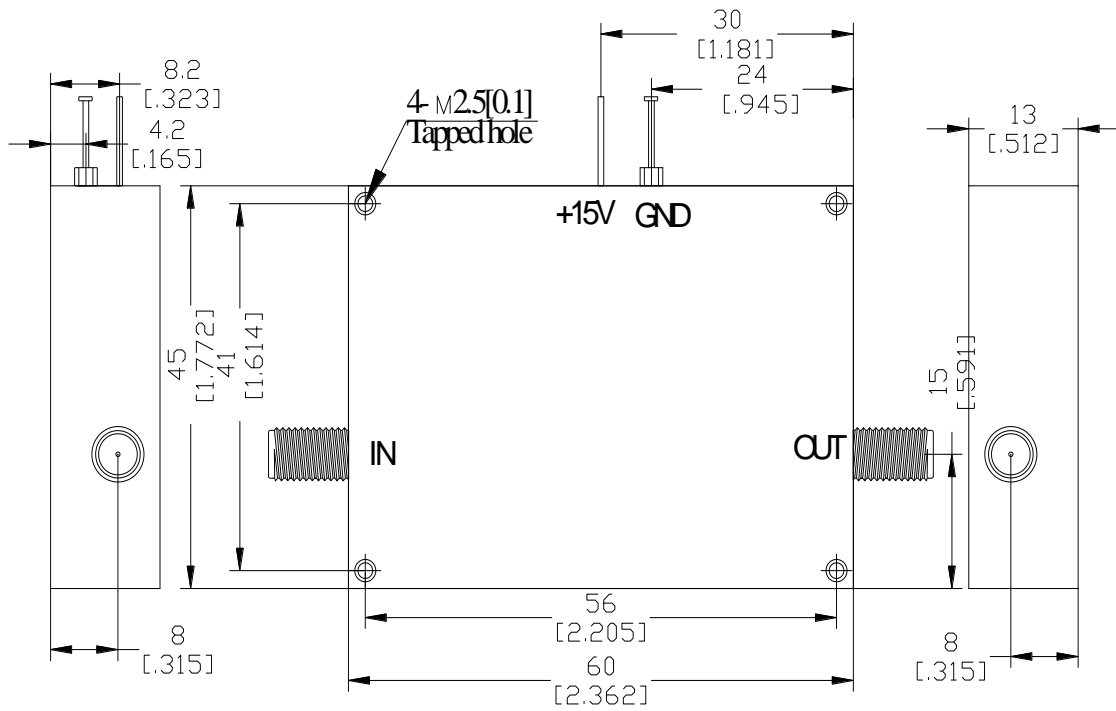


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Mechanical Outline

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