# SAC1258

## Low Noise Figure Amplifier Module
**0.05~1.5GHz** **Rev 1.0**

### Features

- Frequency: 0.05 ~ 1.5 GHz
- Gain: 36 dB
- Noise Figure: 1.0dB Ty.p
- Gain Flatness: ±1.0dB
- Supply Voltage: +5V
- Supply Current: 180mA

### Typical Applications

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

### General Description

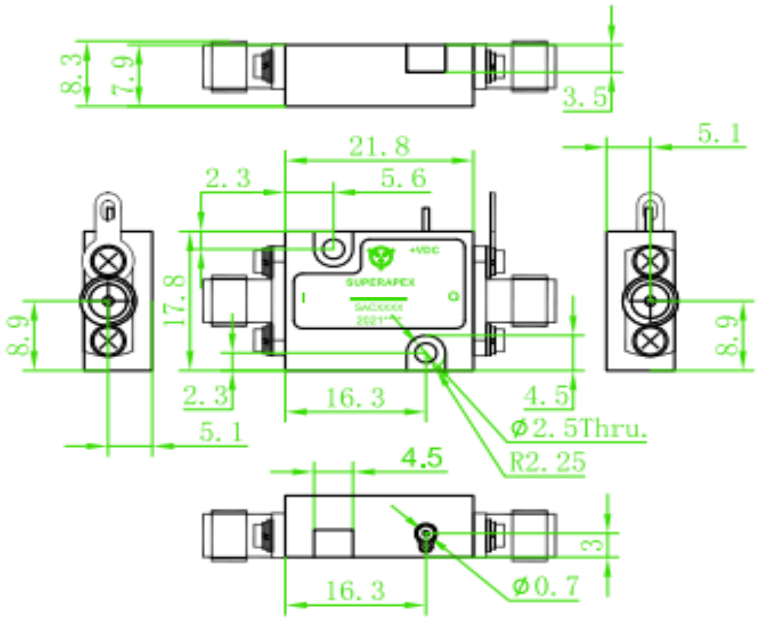
SAC1258 is a low noise figure amplifier module with a typical small signal gain of 36dB and nominal $OP_{-1}$dB of 16dBm.

### Electrical Performance

| Parameter | Min. | Typ. | Max. | Units |
|---|---|---|---|---|
| Frequency Range | | 0.05 ~ 1.5 | | GHz |
| Gain | 30 | — | 36 | dB |
| Input VSWR | — | 1.5 | 1.8 | :1 |
| Output VSWR | — | 1.5 | 1.8 | :1 |
| Noise Figure | — | 1.0 | 1.5 | dB |
| Output Power for 1 dB Compression ($OP_{-1}$dB) | 15 | 16 | — | dBm |
| Supply Voltage | — | 5 | — | V |
| Supply Current ($I_D$) | — | — | 180 | mA |

### Mechanical Outline

All dimensions are in millimeters




RoHS

**SuperApex, LLC**
2801 Lakeside Drive, Suite 208, Bannockburn, IL 60015, USA
Tel: 1-847-505-8319, 1-847-573-9866
E-mail: sales@superapexco.com
Website: www.superapexco.com