# SAC1277

## Low Noise Amplifier Hermetically Sealed Module
**4.4~5.0GHz** **Rev 1.0**

### Features

- Frequency: 4.4 ~ 5.0 GHz
- Gain: 50dB
- Noise Figure: 0.6 dB Ty.
- Gain Flatness: ±1.5dB
- Supply Voltage: +12V ~ +15V
- Supply Current: 120mA

### Typical Applications

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

### General Description

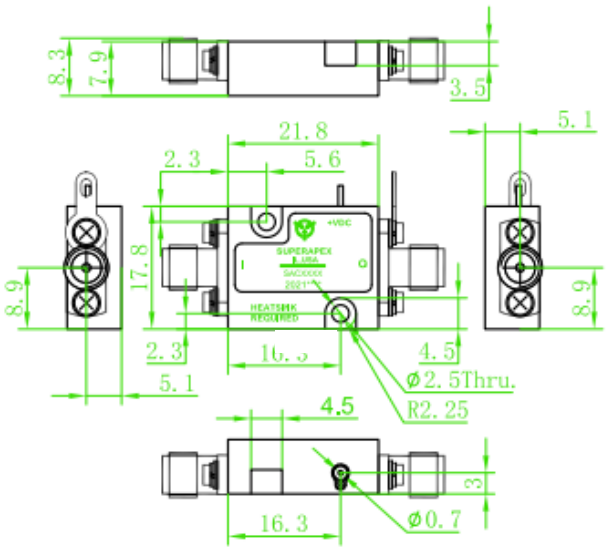
SAC1277 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency is from 4.4 to 5.0 GHz with 50 dB of gain and 11dBm Output $P_{-1}$dB.

### Electrical Performance

| Parameter | Min. | Typ. | Max. | Units |
|---|---|---|---|---|
| Frequency Range | | 4.4 ~ 5.0 | | GHz |
| Gain | 40 | — | 50 | dB |
| Input VSWR | — | — | 2.0 | :1 |
| Output VSWR | — | — | 2.0 | :1 |
| Noise Figure | — | 0.6 | 0.7 | dB |
| Output Power for 1 dB Compression ($OP_{-1}$dB) | 11 | — | — | dBm |
| Supply Voltage | 12 | — | 15 | V |
| Supply Current ($I_D$) | — | 120 | 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