

# SAC1277

## Low Noise Amplifier Hermetically Sealed Module 4.4~5.0GHz

Rev1.0

### Features

- Frequency: 4.4~5.0 GHz
- Gain: 50dB
- Noise Figure: 0.6 dB Typ.
- Gain Flatness:  $\pm 1.5$ dB
- 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 from 4.4 to 5.0 GHz with 50 dB of gain and 11dBm Output P<sub>-1dB</sub>.

### 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 <sub>-1dB</sub> )	11	—	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I <sub>b</sub> )	—	120	180	mA

### Mechanical Outline

All dimensions are in millimeters

