

# SAC1337

## Low Noise Amplifier Module 1.1~1.8GHz

Rev1.0

### Features

- Frequency: 1.1~1.8 GHz
- Gain: 36dB
- Noise Figure: 0.7 dB Typ
- Supply Voltage: 12V~16V
- Supply Current: 100 mA

### Typical Applications

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

### General Description

SAC1337 is a Low Noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1.1 to 1.8 GHz with 36 dB of gain and 10 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.1~1.8			GHz
Gain	28	—	36	dB
Gain Flatness	—	—	±1.0	dB
Input VSWR	—	—	1.8	:1
Output VSWR	—	—	1.8	:1
Noise Figure	—	—	0.7	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	10	—	—	dBm
Supply Voltage	12	—	16	V
Supply Current (I <sub>b</sub> )	—	—	100	mA

### Mechanical Outline

All dimensions are in millimeters

