

# SAC1309

## Low Noise Amplifier Module 22~31GHz

Rev1.0

### Features

- Frequency: 22~31 GHz
- Gain: 35dB
- Noise Figure: 2.5dB
- Supply Voltage: +12V~+15V
- Supply Current: 130mA

### Typical Applications

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

### General Description

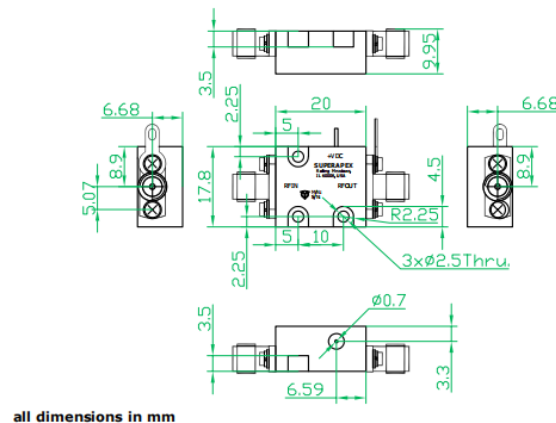
SAC1309 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 22 to 31 GHz with 35 dB of gain and 10 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	22~31			GHz
Gain	28	—	35	dB
Gain Flatness		±2.0	—	dB
Input VSWR	—	2.0	—	:1
Output VSWR	—	2.0	—	:1
Noise Figure	—	—	2.5	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	10	—	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I <sub>b</sub> )	—	—	130	mA

### Mechanical Outline

All dimensions are in millimeters



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