

# SAC1334

## Low Noise Amplifier Module 8~13GHz

Rev1.0

### Features

- Frequency: 8~13 GHz
- Gain: 35dB
- Noise Figure: 2.5 dB Typ.
- Supply Voltage: 8V~18V
- Supply Current: 140 mA

### Typical Applications

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

### General Description

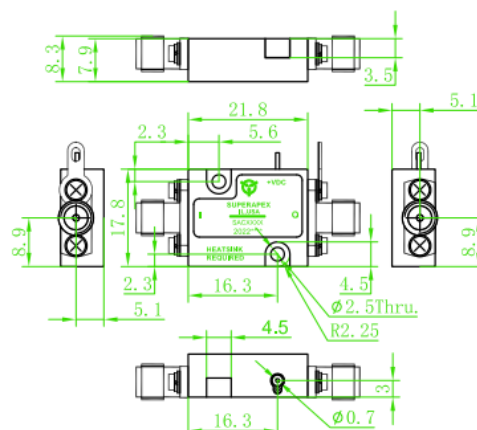
SAC1334 is a Low Noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 8 to 13 GHz with 35 dB of gain and 14 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	8~13			GHz
Gain	28	—	35	dB
Gain Flatness	—	—	±1.5	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	2.5	3.0	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	13	14	—	dBm
Supply Voltage	8	—	18	V
Supply Current (I <sub>b</sub> )	—	—	140	mA

### Mechanical Outline

All dimensions are in millimeters



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