

# SAC1331

## Wide-band Amplifier Module 1~10GHz

Rev1.0

### Features

- Frequency: 1~10 GHz
- Gain: 15dB
- Noise Figure: 1.5 dB Typ.
- Supply Voltage: +14V~+17V
- Supply Current: 350 mA

### Typical Applications

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

### General Description

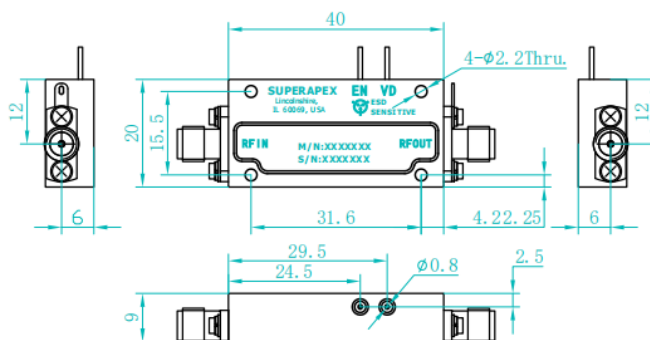
SAC1331 is a Wide-band amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1 to 10 GHz with 15 dB of gain and 25 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1~10			GHz
Gain	15	—	—	dB
Gain Flatness	—	±2.0	—	dB
Input VSWR	—	1.7	2.5	:1
Output VSWR	—	1.7	2.5	:1
Noise Figure	—	1.5	2.0	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	25	—	—	dBm
Supply Voltage	14	—	17	V
Supply Current (I <sub>b</sub> )	—	350	550	mA

### Mechanical Outline

All dimensions are in millimeters



all dimensions in mm

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