

# SAC1329

## Low Noise Amplifier Module 10~20GHz

Rev1.0

### Features

- Frequency: 10~20 GHz
- Gain: 30dB
- Noise Figure: 3.5 dB Typ.
- Supply Voltage: +10V~+15V
- Supply Current: 260mA

### Typical Applications

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

### General Description

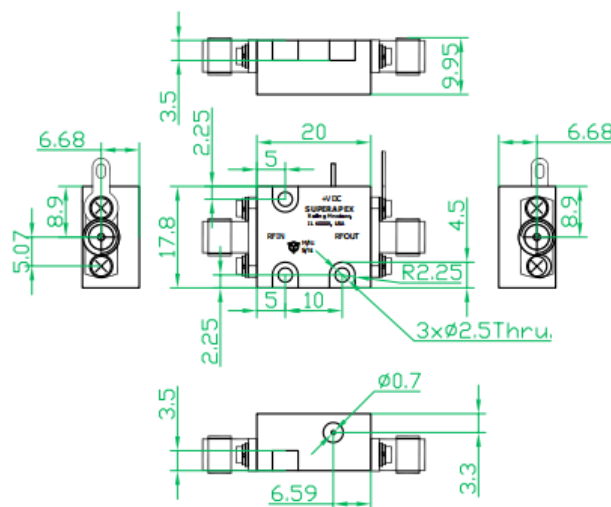
SAC1329 is an amplifier manufactured using microwave hybrid integration technology. The operating frequency from 10 to 20 GHz with 30 dB of gain and 20 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	10~20			GHz
Gain	25	—	30	dB
Gain Flatness	—	±2.0	—	dB
Input VSWR	—	1.6	2	:1
Output VSWR	—	1.6	2	:1
Noise Figure	—	3.5	4.5	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	20	—	—	dBm
Supply Voltage	10	—	15	V
Supply Current (I <sub>b</sub> )	—	260	350	mA

### Mechanical Outline

All dimensions are in millimeters



all dimensions in mm

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