

# SAC1312

## Low Noise Amplifier Module 0.05~10GHz

### Features

- Frequency: 0.05~10 GHz
- Gain: 21dB (per channel)
- Noise Figure: 1.5dB
- Supply Voltage: +8V~+12V
- Supply Current: 150mA (per channel)

### Typical Applications

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

### General Description

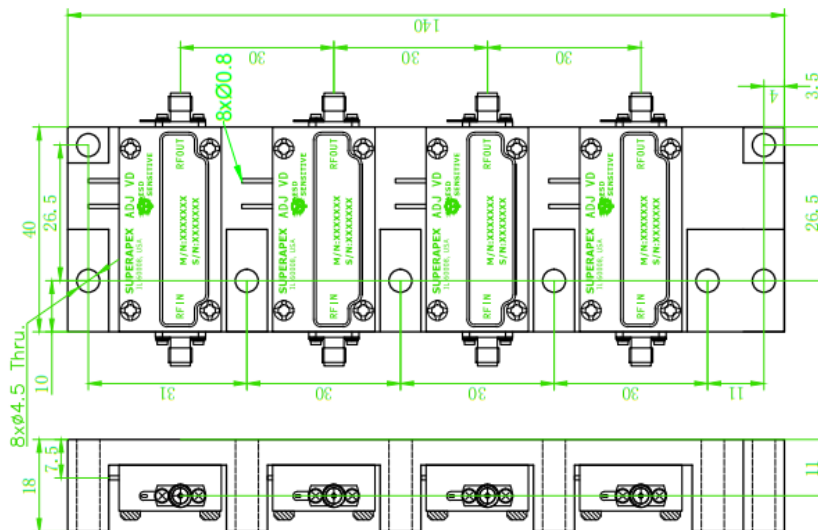
SAC1312 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.05 to 10 GHz with 21 dB of gain and 10 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.05~10			GHz
Gain (per channel)	14	—	21	dB
Gain Flatness	—	—	±1.5	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	1.5	3	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	10	—	—	dBm
Supply Voltage	8	—	12	V
Supply Current (I <sub>b</sub> ) (per channel)	—	150	—	mA

### Mechanical Outline

All dimensions are in millimeters



### SuperApex Corporation

Address: 1580 S. Milwaukee Ave. Suite 405, Libertyville, IL 60048, USA  
 Tel: 1-847-505-8319, 1-847-573-9866  
 E-mail: sales@superapexco.com  
 Website: www.superapexco.com