

# SAC1215A

## Low Noise Amplifier Module 8~10GHz

Rev1.0

### Features

- Frequency: 8~10 GHz
- Gain: 47dB
- Noise Figure: 2.3 dB Typ
- Supply Voltage: +8V~+15V
- Supply Current: 250mA

### Typical Applications

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

### General Description

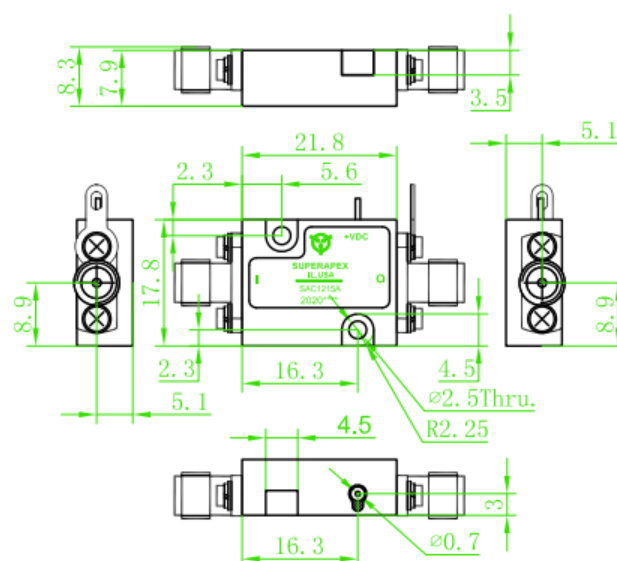
SAC1215A is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 8 to 10 GHz with 47 dB of gain and 15 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	8~10			GHz
Gain	36	—	47	dB
Input VSWR	—	—	2	:1
Output VSWR	—	—	2	:1
Noise Figure	—	2.3	4	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	14	15	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I <sub>b</sub> )	—	250	—	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