

# SAC1330

## Low Noise Amplifier Module 6~18GHz

Rev1.0

### Features

- Frequency: 6~18 GHz
- Gain: 42dB
- Noise Figure: 2.0 dB Typ
- Supply Voltage: 12V~15V
- Supply Current: 950 mA

### Typical Applications

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

### General Description

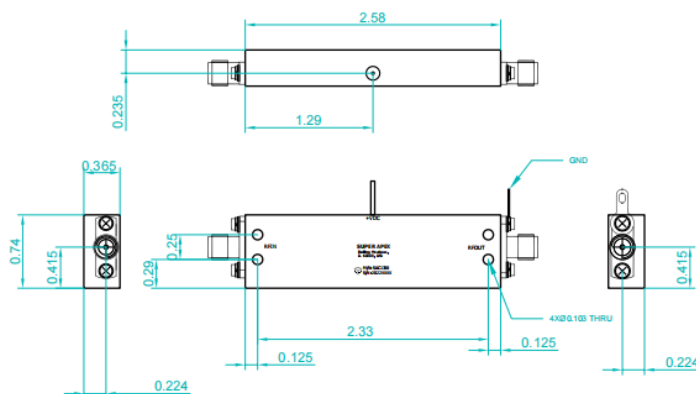
SAC1330 is an amplifier manufactured using microwave hybrid integration technology. The operating frequency from 6 to 18 GHz with 42 dB of gain and 29 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	6~18			GHz
Gain	38	—	42	dB
Gain Flatness	—	—	±3.0	dB
Input VSWR	—	1.8	2	:1
Output VSWR	—	1.8	2	:1
Noise Figure	—	2.0	4.5	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	29	—	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I <sub>b</sub> )	—	—	950	mA

### Mechanical Outline

All dimensions are in millimeters



all dimensions in  
inch

### 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