

SAC1238

Low Noise Amplifier Module 4.4~5GHz

Rev1.0

Features

- Frequency: 4.4~5 GHz
- Gain: 46dB
- Noise Figure: 0.7dB Typ
- Supply Voltage: +8V~+20V
- Supply Current: 180mA

Typical Applications

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

General Description

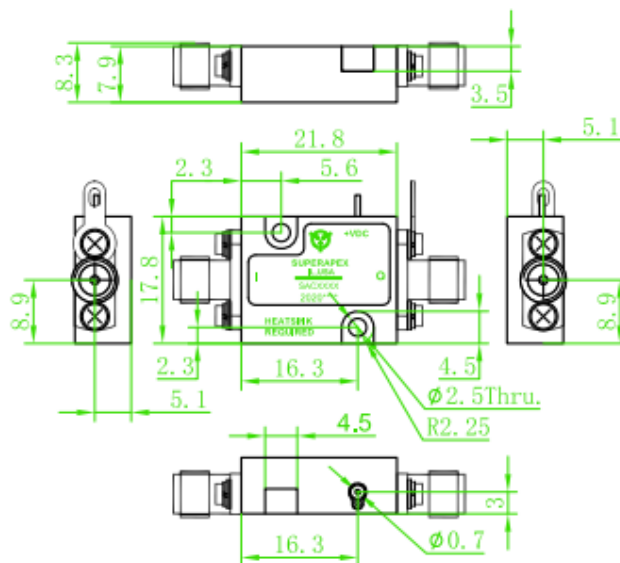
SAC1238 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 4.4 to 5 GHz with 46 dB of gain and 18dBm Output P_{1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	4.4~5			GHz
Gain	40	—	46	dB
Input VSWR	—	1.5	1.8	:1
Output VSWR	—	1.5	1.8	:1
Noise Figure	—	0.7	0.95	dB
Output Power for 1 dB Compression (OP _{1dB})	17	18	—	dBm
Supply Voltage	8	—	20	V
Supply Current (I _b)	—	180	—	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