SAC1238

Low Noise Amplifier Module
4.4~5GHz **Rev 1.0**

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

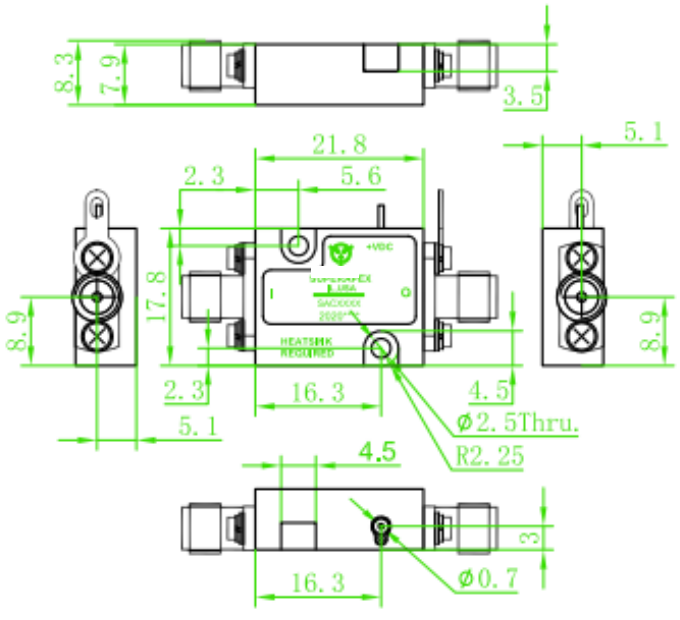
SAC1238 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency is from 4.4 to 5 GHz with 46 dB of gain and 18dBm Output P_{-1}dB.

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_{-1}dB)	17	18	—	dBm
Supply Voltage	8	—	20	V
Supply Current (I_D)	—	180	—	mA

Mechanical Outline

All dimensions are in millimeters



RoHS

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