

SAC1236

Low Noise Amplifier Module 1.315~1.515GHz

Rev1.0

Features

- Frequency: 1.315~1.515 GHz
- Gain:35dB
- Noise Figure: 0.4dB Typ
- Supply Voltage: +8V~+15V
- Supply Current: 150mA

Typical Applications

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

General Description

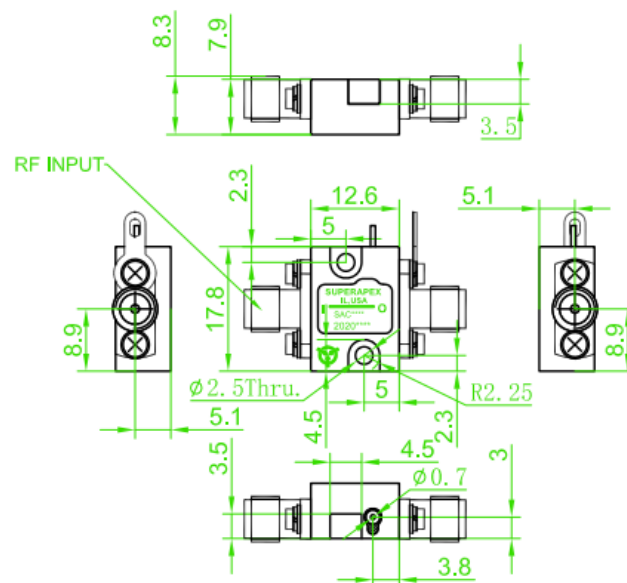
SAC1236 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1.315 to 1.515 GHz with 35 dB of gain and 14 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.315~1.515			GHz
Gain	29	—	35	dB
Input VSWR	—	1.5	1.8	:1
Output VSWR	—	1.5	1.8	:1
Noise Figure	—	0.4	0.65	dB
Output Power for 1 dB Compression (OP _{-1dB})	13	14	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I _b)	—	150	—	mA

Mechanical Outline

All dimensions are in millimeters



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