

SAC1311

Low Noise Amplifier Module 0.8~3GHz

Rev1.0

Features

- Frequency: 0.8~3 GHz
- Gain: 36dB
- Noise Figure: 1.0dB
- Supply Voltage: +7V~+15V
- Supply Current: 200mA

Typical Applications

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

General Description

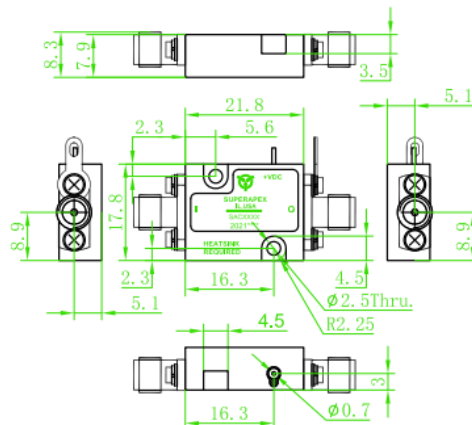
SAC1311 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.8 to 3 GHz with 36 dB of gain and 10 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.8~3			GHz
Gain	30	—	36	dB
Gain Flatness		±1.0	±1.5	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	1.0	1.5	dB
Output Power for 1 dB Compression (OP _{-1dB})	10	—	—	dBm
Supply Voltage	7	—	15	V
Supply Current (I _b)	—	200	280	mA

Mechanical Outline

All dimensions are in millimeters



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