

SAC1301

Low Noise Amplifier Module 1.558~1.592GHz

Rev1.0

Features

- Frequency: 1.558~1.592 GHz
- Gain: 55dB
- Noise Figure: 1.5dB
- Supply Voltage: +12V~+15V
- Supply Current: 110mA

Typical Applications

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

General Description

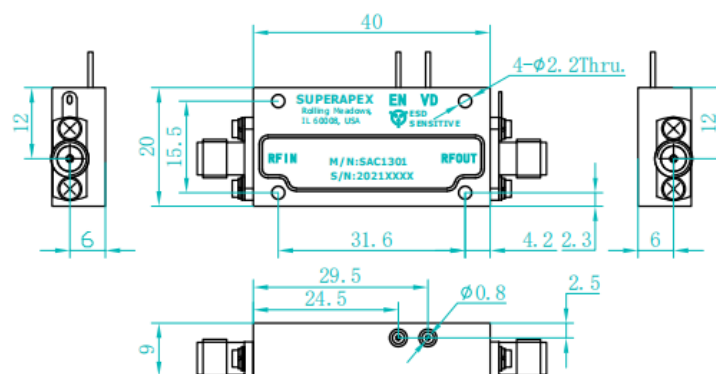
SAC1301 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1.558 to 1.592 GHz with 55 dB of gain and 15 dBm Output P_{1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.558~1.592			GHz
Gain	45	—	55	dB
Gain Flatness		±0.5	—	dB
Input VSWR	—	1.4	1.5	:1
Output VSWR	—	1.4	1.5	:1
Noise Figure	—	1.5	2.0	dB
Output Power for 1 dB Compression (OP _{1dB})	15	—	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I _b)	—	110	130	mA

Mechanical Outline

All dimensions are in millimeters



all dimensions in mm

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