

SAC1324

Low Noise Amplifier Module 0.5~5.0GHz

Rev1.0

Features

- Frequency: 0.5~5.0 GHz
- Gain: 63dB
- Noise Figure: 2.5dB Typ.
- Supply Voltage: +12V~+15V
- Supply Current: 270mA

Typical Applications

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

General Description

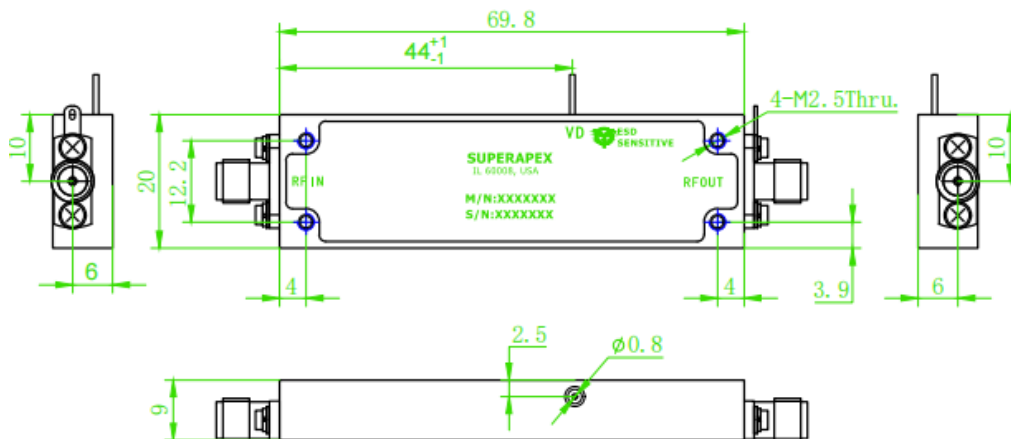
SAC1324 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.5 to 5.0 GHz with 63 dB of gain and 16 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.5~5.0			GHz
Gain	58	—	63	dB
Gain Flatness	—	±1.75	—	dB
Input VSWR	—	1.5	2	:1
Output VSWR	—	1.5	2	:1
Noise Figure	—	2.5	5.5	dB
Output Power for 1 dB Compression (OP _{-1dB})	12	16	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I _b)	—	—	270	mA

Mechanical Outline

All dimensions are in millimeters



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