

SAC1134

Low Noise Amplifier Module 2~8GHz NF 1dB

Rev1.0

Features

- Frequency: 2~8 GHz
- Gain: 32 dB
- Noise Figure: 1.0 dB
- OP_{-1dB}: 12 dBm
- Supply Voltage: 7 V
- Supply Current: 0.12A

Typical Applications

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

General Description

SAC1134 is a low noise amplifier module with a typical small signal gain of 32dB and a nominal OP_{-1dB} of +12dBm across the frequency range of 2 to 8GHz.



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	2~8			GHz
Gain	28	32	37	dB
Noise Figure	—	1	1.2	dB
Output Power for 1 dB Compression (OP _{-1dB})	10	12	—	dBm
Input Return Loss	—	-14	-10	dB
Output Return Loss	—	-13	-8	dB
Reverse Isolation	—	-55	—	dB
Supply Voltage	7	—	15	V
Supply Current	—	0.12	0.18	A

Mechanical Specifications

Parameter	
Input/Output	SMA/SMA
Bias	Pin/Case ground
Case Material	Aluminum alloy/Kovar hermetically sealed
Weight	75g

SuperApex, LLC

1580 S. Milwaukee Ave., Suite 405, Libertyville, IL 60048, USA
Tel: 1-847-505-8319, 1-847-573-9866
E-mail: sales@superapexco.com
Website: www.superapexco.com