

SAC1133

Low Noise Amplifier Module 1700~2700MHz NF 0.9dB

Rev1.0

Features

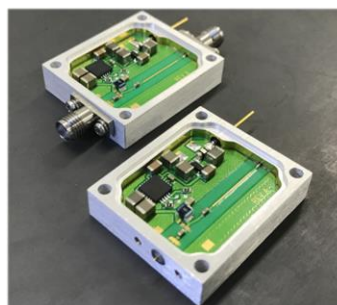
- Frequency: 1700~2700 MHz
- Gain: 32 dB
- Noise Figure: 0.9 dB
- OP_{-1dB}: 8 dBm
- Supply Voltage: 7 V
- Supply Current: 0.07A

Typical Applications

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

General Description

SAC1133 is a low noise amplifier module with a typical small signal gain of 32dB and a nominal OP_{-1dB} of +8dBm across the frequency range of 1700 to 2700MHz.



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1700~2700			MHz
Gain	29	32	37	dB
Noise Figure	—	0.9	1.1	dB
Output Power for 1 dB Compression (OP _{-1dB})	5	8	—	dBm
Input Return Loss	—	-14	-10	dB
Output Return Loss	—	-13	-8	dB
Reverse Isolation	—	-45	—	dB
Supply Voltage	7	—	15	V
Supply Current	—	0.07	0.1	A

Mechanical Specifications

Parameter	
Input/Output	SMA/SMA
Bias	Pin/Case ground
Case Material	7050 Aluminum alloy
Weight	85g

SuperApex Corporation

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