

SAC1132

Low Noise Amplifier Module
700~1400MHz NF 0.7dB

Rev1.0

Features

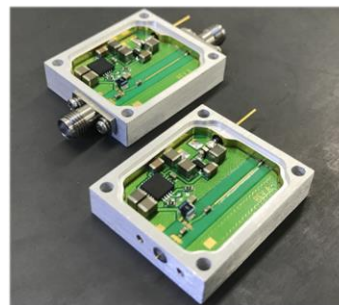
- Frequency: 700~1400 MHz
- Gain: 33 dB
- Noise Figure: 0.7 dB
- OP_{-1dB}: 20 dBm
- Supply Voltage: 7~15 V
- Supply Current: 0.1~0.15A

Typical Applications

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

General Description

SAC1132 is a low noise amplifier module with a typical small signal gain of 33dB and a nominal OP_{-1dB} of +20dBm across the frequency range of 700 to 1400MHz.



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	700~1400			MHz
Gain	29	33	38	dB
Noise Figure	—	0.7	0.9	dB
Output Power for 1 dB Compression (OP _{-1dB})	17	20	—	dBm
Input Return Loss	—	-14	-10	dB
Output Return Loss	—	-13	-8	dB
Reverse Isolation	—	-42	—	dB
Supply Voltage	7	—	15	V
Supply Current	—	0.1	0.15	A

Mechanical Specifications

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

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