

SAC1131

Low Noise Amplifier Module 350~700MHz NF 0.6dB

Rev1.0

Features

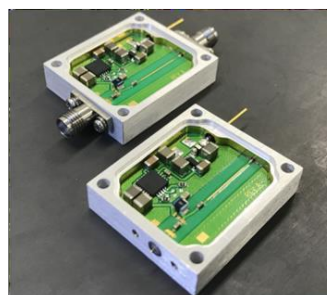
- Frequency: 350~700 MHz
- Gain: 36 dB
- Noise Figure: 0.6 dB
- OP_{-1dB}: 18 dBm
- Supply Voltage: 7 V
- Supply Current: 0.1A

Typical Applications

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

General Description

SAC1131 is a low noise amplifier module with a typical small signal gain of 36dB and a nominal OP-1dB of +18dBm across the frequency range of 350 to 700 MHz.



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	350~700			MHz
Gain	33	36	40	dB
Noise Figure	—	0.6	0.7	dB
Output Power for 1 dB Compression (OP _{-1dB})	15	18	—	dBm
Input Return Loss	—	-15	-8	dB
Output Return Loss	—	-13	-5	dB
Reverse Isolation	—	-45	—	dB
Supply Voltage	7	—	15	V
Supply Current	—	0.1	0.18	A

Mechanical Specifications

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

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