

Features

- Frequency: 0.1~18GHz
- Gain: 15dB
- OP-1dB: 20dBm
- Noise Figure (0.5~18GHz) : 7dB
- Supply Voltage(+VDD): +12~+17V
- Size: 30.5mm×30.5mm×8mm

Typical Applications

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

General Description

SAC1417 is a low noise amplifier module with a typical small signal gain of 15dB and a nominal OP₋₁dB of 20dBm across the frequency range of 0.1 to 18GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.1~18			GHz
Gain	14	15	–	dB
Gain Flatness	–	–	±2.0	dB
Noise Figure(0.5~18GHz)		4	7	dB
Output Power for 1 dB Compression (OP ₋₁ dB)	20	–	–	dBm
Input VSWR	–	1.7	2.5	:1
Output VSWR	–	1.7	2.5	:1
Supply Voltage	12	–	17	V
Supply Current	–	200		mA

Absolute Maximum Ratings

Maximum Input Power	+18dBm	Temperature Range	+10°C~+85°C
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Mechanical Outline

All dimensions are in millimeters

