

Features

- Frequency: 2~40GHz
- Gain: 28~35dB
- OP-1dB: 5dBm
- Noise Figure: 7.0dB
- Supply Voltage: +8~+17V
- Size: 34.8mm×20.32mm×11.36mm

Typical Applications

- Microwave Point to Point Communications
- VSAT
- 5G Communications

General Description

SAC1452 is a low noise amplifier module with a typical small signal gain of 28~35dB and a nominal OP-1dB of 10dBm across the frequency range of 2 to 40GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	2~40			GHz
Gain	28	—	35	dB
Gain Flatness	—	—	±3.0	dB
Noise Figure	—	5	7.0	dB
Output Power for 1 dB Compression (OP-1dB)	5	10	—	dBm
Input VSWR	—	1.6	2.5	:1
Output VSWR	—	1.6	2.5	:1
Supply Voltage	8	12	17	V
Supply Current	—	400	500	mA

Absolute Maximum Ratings

Specification Temperature	25°C	Operation Temperature	+10°C~+50°C
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Mechanical Outline

All dimensions are in millimeters

