

Features

- Frequency: 0.7~2.6GHz
- Gain: 35~40dB
- OP-1dB: 17dBm
- Noise Figure: 0.8dB
- Supply Voltage: +8~+15V
- Size: 55mm×43mm×25mm

Typical Applications

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

General Description

SAC1429 is a low noise amplifier module with a typical small signal gain of 35~40dB and a nominal OP-1dB of 17dBm across the frequency range of 0.7 to 2.6GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.7~2.6			GHz
Gain	35	—	40	dB
Gain Flatness	—	—	±1.0	dB
Noise Figure	—	0.8	1.1	dB
Output Power for 1 dB Compression (OP-1dB)	17	—	—	dBm
Input VSWR	—	1.5	2.0	:1
Output VSWR	—	1.5	2.0	:1
Supply Voltage	8	—	15	V
Supply Current	—	160	180	mA

Absolute Maximum Ratings

Maximum Input Power	+10 dBm	Operation Temperature	-55°C~+85°C
Specification Temperature	25°C		

Mechanical Outline

All dimensions are in millimeters

