

Features

- Frequency: 0.02~12.5GHz
- Gain: 20~24dB
- OP-1dB: 12dBm
- Noise Figure(@40-12.5 GHz): 2~2.5dB
- Supply Voltage: +8~+15V
- Size: 12.6mm×17.78mm×7.87mm

Typical Applications

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

General Description

SAC1435 is a low noise amplifier module with a typical small signal gain of 20~24dB and a nominal OP-1dB of 12dBm across the frequency range of 0.02 to 12.5GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.02~12.5			GHz
Gain	19	—	24	dB
Gain Flatness	—	—	±2.0	dB
Noise Figure (@0.04-12.5 GHz)	—	1.5	2.5	dB
Output Power for 1 dB Compression (OP-1dB)	10	—	—	dBm
Input VSWR	—	1.6	2.5	:1
Output VSWR	—	1.6	2.5	:1
Supply Voltage	8	—	15	V
Supply Current	—	80	100	mA

Absolute Maximum Ratings

Maximum Input Power	+18 dBm	Operation Temperature	-45°C~+80°C
Specification Temperature	+25°C		

Mechanical Outline

All dimensions are in millimeters

