

SAC1226

Low Noise Amplifier Module 4.61~5.01GHz

Rev1.0

Features

- Frequency: 4.61~5.01 GHz
- Gain: 35dB
- Noise Figure: 1dB Typ
- Supply Voltage: +8V~+15V
- Supply Current: 120mA

Typical Applications

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

General Description

SAC1226 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 4.61 to 5.01 GHz with 35 dB of gain and 14dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	4.61~5.01			GHz
Gain	27	—	35	dB
Input VSWR	—	—	2	:1
Output VSWR	—	—	2	:1
Noise Figure	—	1	1.2	dB
Output Power for 1 dB Compression (OP _{-1dB})	13	14	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I _b)	—	120	—	mA

Mechanical Outline

All dimensions are in millimeters

