

SAC1217

Low Noise Amplifier Module 9.5~10.5GHz

Features

- Frequency: 9.5~10.5 GHz
- Gain: 45dB
- Noise Figure: 1.5dB Typ
- Supply Voltage: +8V~+15V
- Supply Current: 200mA

Typical Applications

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

General Description

SAC1217 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 9.5 to 10.5 GHz with 45 dB of gain and 15dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	9.5~10.5			GHz
Gain	37	—	45	dB
Input VSWR	—	—	2	:1
Output VSWR	—	—	2	:1
Noise Figure	—	1.5	2	dB
Output Power for 1 dB Compression (OP _{-1dB})	13	15	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I _b)	—	200	—	mA

Mechanical Outline

All dimensions are in millimeters

