

SAC1258

Low Noise Figure Amplifier Module 0.05~1.5GHz

Rev1.0

Features

- Frequency: 0.05~1.5 GHz
- Gain: 36 dB
- Noise Figure: 1.0dB Typ.
- Gain Flatness: ± 1.0 dB
- Supply Voltage: +5V
- Supply Current: 180mA

Typical Applications

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

General Description

SAC1258 is a low noise figure amplifier module with a typical small signal gain of 36dB and a nominal OP-1dB of 16dBm.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.05~1.5			GHz
Gain	30	—	36	dB
Input VSWR	—	1.5	1.8	:1
Output VSWR	—	1.5	1.8	:1
Noise Figure	—	1.0	1.5	dB
Output Power for 1 dB Compression (OP-1dB)	15	16	—	dBm
Supply Voltage	—	5	—	V
Supply Current (I _b)	—	—	180	mA

Mechanical Outline

All dimensions are in millimeters

