

# SAC1284

## Low Noise Amplifier Hermetically Sealed Module 0.7~2.7GHz

Rev1.0

### Features

- Frequency: 0.7~2.7 GHz
- Gain: 30dB
- Noise Figure: 2.5dB Typ
- Gain Flatness:  $\pm 1$ dB
- Supply Voltage: +12V
- Supply Current: 0.2A

### Typical Applications

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

### General Description

SAC1284 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.7 to 2.7 GHz with 30 dB of gain and 25dBm Output P<sub>1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.7~2.7			GHz
Gain	22	—	30	dB
Gain Flatness	—	$\pm 1$	—	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	2.5	3.5	dB
Output Power for 1 dB Compression (OP <sub>1dB</sub> )	25	—	—	dBm
Supply Voltage	—	12	—	V
Supply Current (I <sub>D</sub> )	—	0.20	0.38	A

### Mechanical Outline

All dimensions are in millimeters

