

SAC1168



Low Noise Amplifier Module 0.7~500MHz NF 1dB

Rev.1.1

Features

- Frequency: 0.7MHz~500MHz
- Gain: 37dB
- Noise Figure: 1.2dB
- Supply Voltage: +15V@45mA
- Internally regulated to +5V
- Input Limiter Protected
- Recovery (<10μSec) after 10V Pulse
- Size: 48.8mm×26.9mm×15.4mm

Typical Applications

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

General Description

SAC1168 is a low noise amplifier module with a typical small signal gain of 37dB and a nominal OP_{-1dB} of +7dBm across the frequency range of 0.7 to 500MHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.7~500			MHz
Gain	—	37	—	dB
Gain Flatness	—	±0.5	—	dB
Input VSWR	—	—	2	:1
Output VSWR	—	—	2	:1
Noise Figure	—	1.2	—	dB
Output Power for 1 dB Compression (OP _{-1dB})	7	—	—	dBm
Supply Current (I _b)	—	45	—	mA

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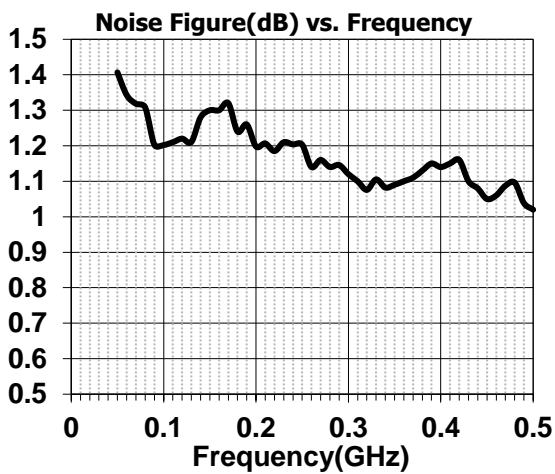
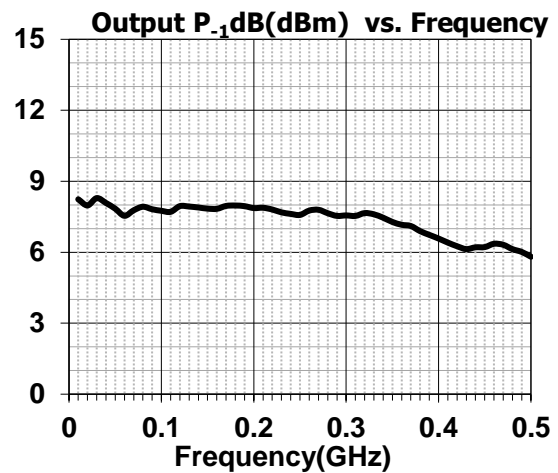
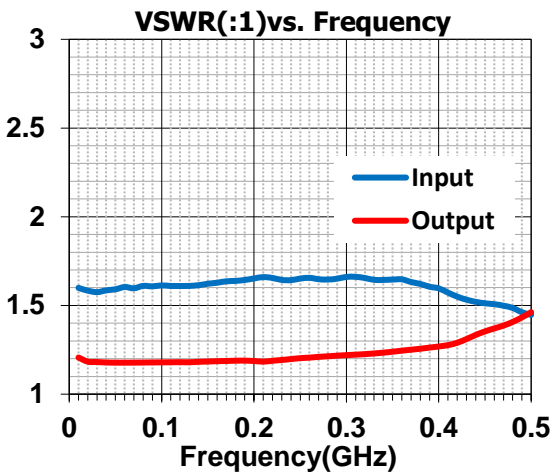
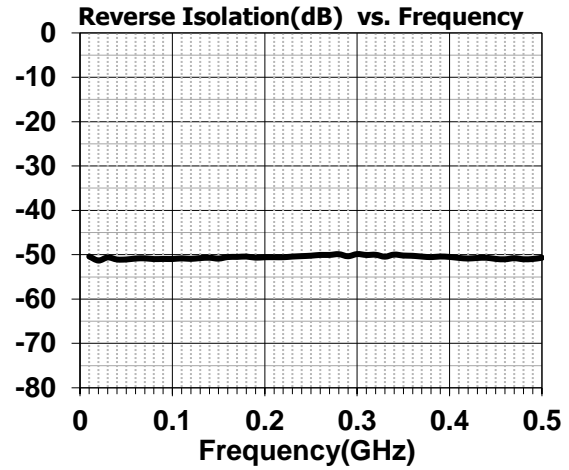
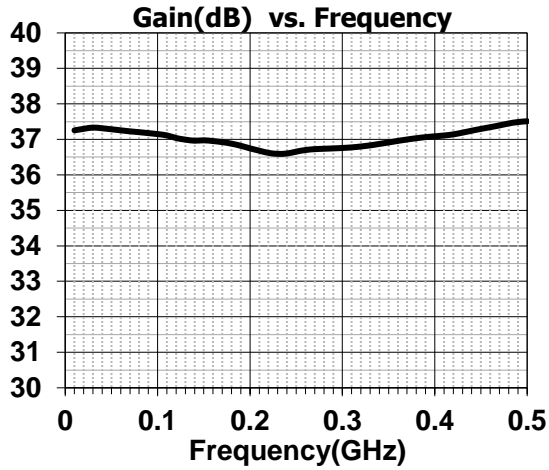
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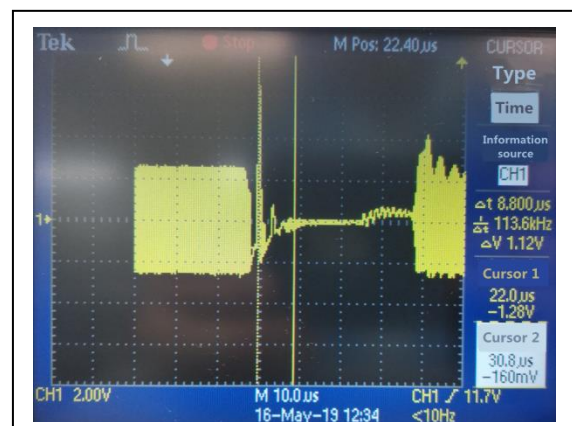
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Typical Performance Curve



Recovery Time after 10V Pulse



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Mechanical Outline

All dimensions are in millimeters

