

Features

- Frequency: 1.5~26GHz
- Gain: 26~32dB
- OP-1dB: 13dBm
- Noise Figure: 3.6dB
- Supply Voltage: +15V
- Size: 40mm×20mm×9mm

Typical Applications

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

General Description

SAC1416 is a low noise amplifier module with a typical small signal gain of 26~32dB and a nominal OP-1dB of +13dBm across the frequency range of 1.5 to 26GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.5~26			GHz
Gain	26	—	32	dB
Gain Flatness	—	—	±2.0	dB
Noise Figure	—	—	3.6	dB
Output Power for 1 dB Compression (OP-1dB)	12	13	—	dBm
Input VSWR	—	1.7	2.5	:1
Output VSWR	—	1.7	2.5	:1
Supply Voltage		15		V
Supply Current	—	—	200	mA

Absolute Maximum Ratings

Maximum Input Power	+20dBm	Temperature Range	-55°C~+85°C
---------------------	--------	-------------------	-------------

SAC1416

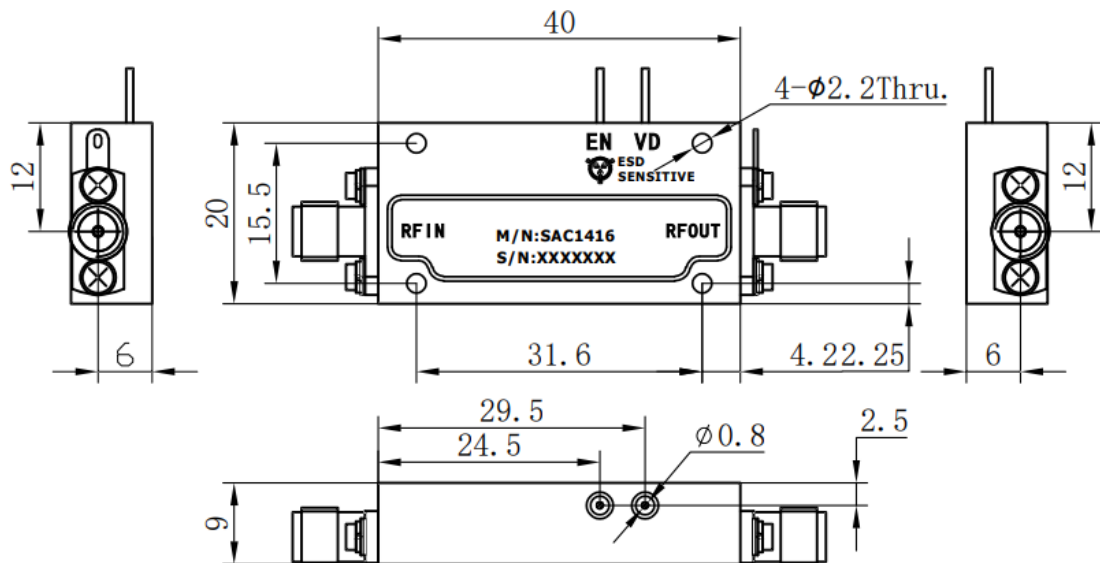


GaAs MMIC Low Noise Amplifier Module
1.5~26GHz NF=3.6dB

Rev 1.0

Mechanical Outline

All dimensions are in millimeters



SuperApex, LLC

1580 S. Milwaukee Ave., Suite 405, Libertyville, IL 60048, USA
Tel: 1-847-505-8319, 1-847-573-9866
E-mail: sales@superapexco.com
Website: www.superapexco.com