SAC1427

GaAs MMIC Wide Band Driver Amplifier Module 8～18GHz

Rev 1.0

Features

- Frequency：8～18GHz
- Gain：26dB
- OP-1dB：26dBm
- Noise Figure: 4dB
- Supply Voltage: +12～+15V
- Size：30.5mm×30.5mm×8mm

Typical Applications

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

General Description

SAC1427 is a Wide Band Driver amplifier module with a typical small signal gain of 26dB and a nominal $OP_{-1}dB$ of 26dBm across the frequency range of 8 to 18GHz.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range		8～18		GHz
Gain	25		29	dB
Gain Flatness	–	–	±1.5	dB
Noise Figure	–	3.5	4.5	dB
Output Power for 1 dB Compression ($OP_{-1}dB$)	26	–	–	dBm
Input VSWR	–	1.7	2.5	:1
Output VSWR	–	1.7	2.5	:1
Supply Voltage	12	12	15	V
Supply Current	–	200	250	mA

Absolute Maximum Ratings

Maximum Input Power	+18 dBm	Temperature Range	-45℃～+85℃

RoHS

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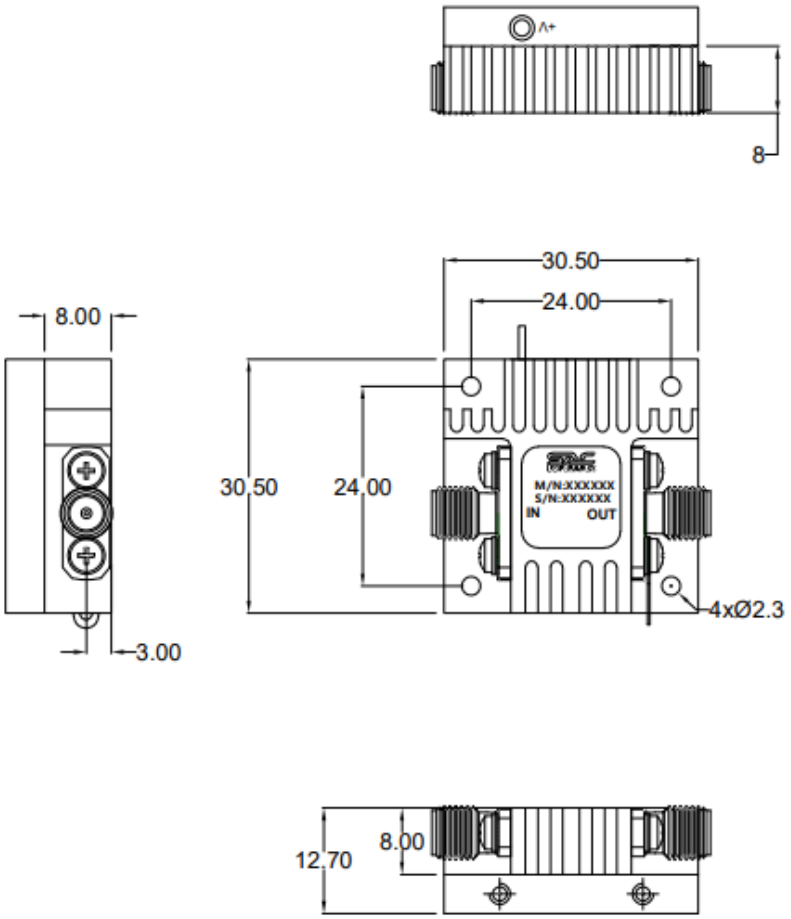
Mechanical Outline

All dimensions are in millimeters