

SAC1423

Wide-band Amplifier Module 0.5~50GHz

Rev1.0

Features

- Frequency: 0.5~50 GHz
- Gain: 33dB
- Noise Figure: 7.5 dB Typ.
- Supply Voltage: 12V~17V
- Supply Current: 500 mA
- Output P₋₁: 16dBm Typ. @0.5~18GHz
12dBm Typ. @19~50GHz

Typical Applications

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

General Description

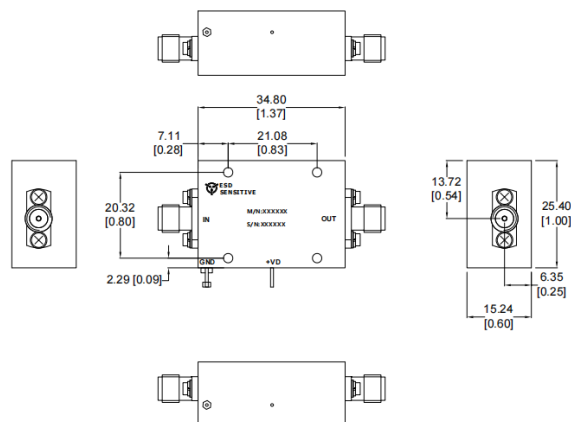
SAC1423 is a Wide-band amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.5 to 50 GHz with 33 dB of gain.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.5~50			GHz
Gain	33	—	41	dB
Gain Flatness	—	±3.5	—	dB
Input VSWR	—	1.7	2.5	:1
Output VSWR	—	1.7	2.5	:1
Noise Figure	—	7.5	—	dB
Supply Voltage (V _{DD})	12	—	17	V
Supply Current	—	500	600	mA

Mechanical Outline

All dimensions are in millimeters



all dimensions in mm

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