

SAC1283-RO

Wide-band Amplifier Module 2~18GHz

Rev1.0

Features

- Frequency: 2~18 GHz
- Gain: 31dB
- Noise Figure: 5 dB
- Supply Voltage: +14V~+17V
- Supply Current: 450mA

Typical Applications

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

General Description

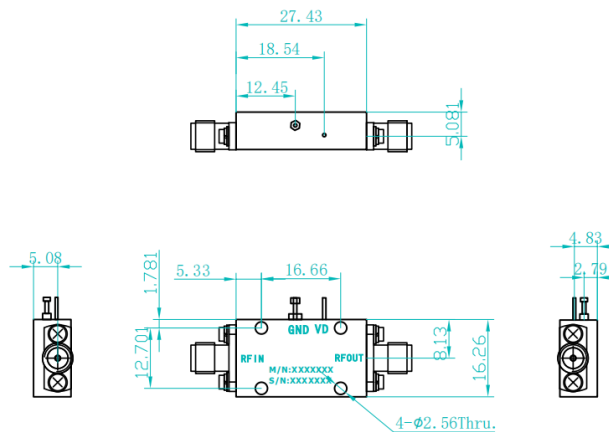
SAC1283-RO is a wide-band amplifier manufactured using microwave hybrid integration technology. The operating frequency from 2 to 18 GHz with 31 dB of gain and 23 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	2~18			GHz
Gain	27	—	31	dB
Gain Flatness	—	±2	—	dB
Input VSWR	—	1.7	2.5	:1
Output VSWR	—	1.7	2.5	:1
Noise Figure	—	5.0	6.0	dB
Output Power for 1 dB Compression (OP _{-1dB})	23	—	—	dBm
Supply Voltage	14	—	17	V
Supply Current (I _b)	—	450	750	mA

Mechanical Outline

All dimensions are in millimeters



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