SAC1332

GaAS MMIC Power Amplifier Module
8~12GHz **Rev 1.0**

Features

- Frequency: 8 ~ 12 GHz
- Gain: 35dB
- Noise Figure: 4 dB Typ.
- Supply Voltage: 12V ~ 18V
- Supply Current: 1 A

Typical Applications

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

General Description

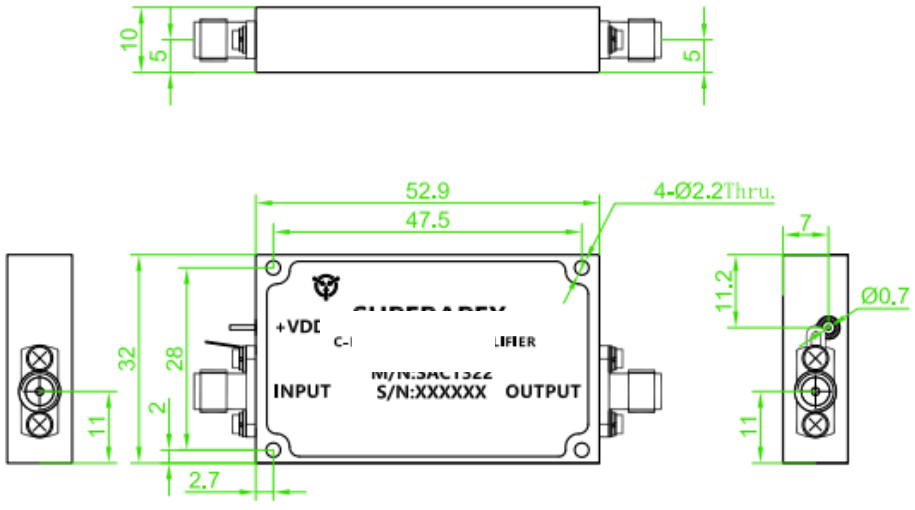
SAC1332 is a Low Noise amplifier manufactured using microwave hybrid integration technology. The operating frequency is 8 to 12 GHz with 35 dB of gain and 31 dBm Output P_{-1}dB.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range		8 ~ 12		GHz
Gain	30	—	35	dB
Gain Flatness	—	—	±1.5	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	4	8	dB
Output Power for 1 dB Compression (OP_{-1}dB)	29.5	31	—	dBm
Supply Voltage	12	—	18	V
Supply Current (I_D)	—	—	1	A

Mechanical Outline

All dimensions are in millimeters



RoHS

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