

SAC1333

Low Noise Amplifier Module 8~14GHz

Rev1.0

Features

- Frequency: 8~14 GHz
- Gain: 25dB
- Noise Figure: 6 dB Typ
- Supply Voltage: 8V~18V
- Supply Current: 250 mA

Typical Applications

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

General Description

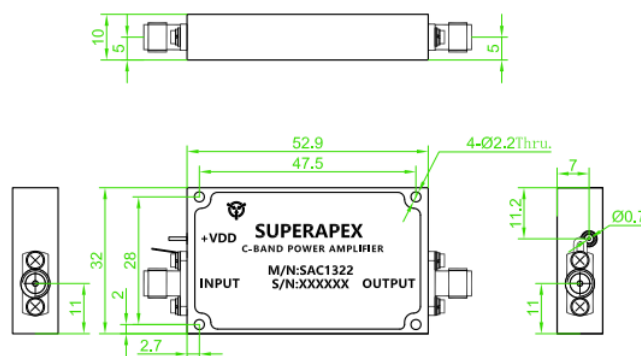
SAC1333 is a Low Noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 8 to 14 GHz with 25 dB of gain and 21 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	8~14			GHz
Gain	18	—	25	dB
Gain Flatness	—	—	±1.5	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	6	8	dB
Output Power for 1 dB Compression (OP _{-1dB})	20	21	—	dBm
Supply Voltage	8	—	18	V
Supply Current (I _b)	—	—	250	mA

Mechanical Outline

All dimensions are in millimeters



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