

SAC1297

Wide-Band Amplifier Module 0.5~10GHz

Rev1.0

Features

- Frequency: 0.5~10 GHz
- Gain: 45dB
- Noise Figure: 4.0dB
- 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

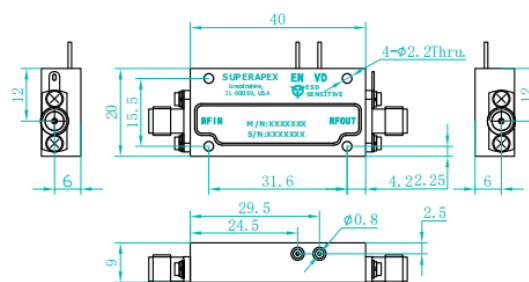
SAC1297 is an amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.5to 10 GHz with 45 dB of gain and 24dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.5~10			GHz
Gain	45	—	—	dB
Gain Flatness		±2	—	dB
Input VSWR	—	1.7	2.5	:1
Output VSWR	—	1.7	2.5	:1
Noise Figure	—	4.0	6.0	dB
Output Power for 1 dB Compression (OP _{-1dB})	24	—	—	dBm
Supply Voltage	14	—	17	V
Supply Current (I _b)	—	450	550	mA

Mechanical Outline

All dimensions are in millimeters



all dimensions in mm

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