SAC1299

Low Noise Amplifier Module
2～6GHz

Rev1.0

Features

- Frequency: 2～6 GHz
- Gain: 32dB
- Noise Figure：1.2dB
- Supply Voltage: +10V～+15V
- Supply Current: 150mA

Typical Applications

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

General Description

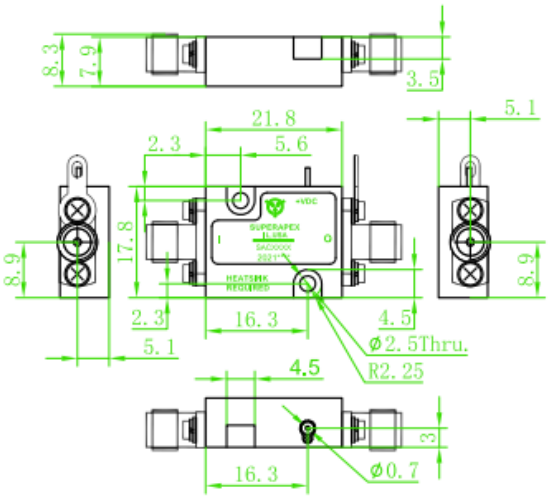
SAC1299 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 2 to 6 GHz with 32 dB of gain and 10dBm Output P_{-1}dB.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range		2～6		GHz
Gain	25	—	32	dB
Gain Flatness		±1.0	—	dB
Input VSWR	—	—	2	:1
Output VSWR	—	2	—	:1
Noise Figure	—	1.2	1.4	dB
Output Power for 1 dB Compression (OP_{-1}dB)	20	—	—	dBm
Supply Voltage	10	—	15	V
Supply Current (I_D)	—	150	220	mA

Mechanical Outline

All dimensions are in millimeters



SuperApex Corporation
Address: 1580 S. Milwaukee Ave. Suite 405, Libertyville, IL 60048, USA
Tel: 1-847-505-8319, 1-847-573-9866
E-mail: sales@superapexco.com
Website: www.superapexco.com