

SAC1227

Low Noise Amplifier Module 2.2~2.5GHz

Rev1.0

Features

- Frequency: 2.2~2.5 GHz
- Gain: 47dB
- Noise Figure: 0.45dB Typ
- Supply Voltage: +12V~+24V
- Supply Current: 250mA

Typical Applications

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

General Description

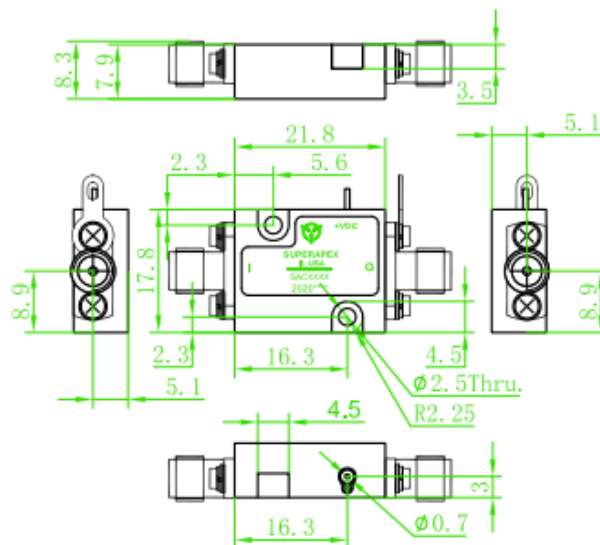
SAC1227 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 2.2 to 2.5 GHz with 47 dB of gain and 20dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	2.2~2.5			GHz
Gain	39	—	47	dB
Input VSWR	—	—	2	:1
Output VSWR	—	—	2	:1
Noise Figure	—	0.45	0.55	dB
Output Power for 1 dB Compression (OP _{-1dB})	18	20	—	dBm
Supply Voltage	12	—	24	V
Supply Current (I ₀)	—	250	—	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