

SAC1321

Low Noise Amplifier Module 1.56542~1.58542 GHz

Rev1.0

Features

- Frequency: 1.56542~1.58542 GHz
- Gain: 48dB
- Noise Figure: 1.5dB
- Supply Voltage: +8V~+12V
- Supply Current: 150mA

Typical Applications

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

General Description

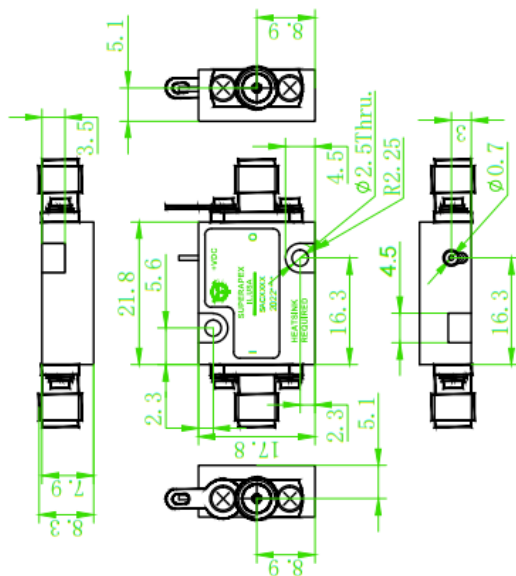
SAC1321 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1.56542 to 1.58542 GHz with 48 dB of gain and 14 dBm Output P_{-1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1.56542~1.58542			GHz
Gain (per channel)	40	—	48	dB
Gain Flatness	—	±1.0	—	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	1.5	1.65	dB
Output Power for 1 dB Compression (OP _{-1dB})	14	15	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I _b) (per channel)	—	150	—	mA

Mechanical Outline

All dimensions are in millimeters



Assembly Diagram

