SAC1318

Low Noise Amplifier Module
0.9～1.2GHz

Rev 1.0

Features

- Frequency: 0.9 ~ 1.2 GHz
- Gain: 33.5dB
- Noise Figure: 0.5dB
- Supply Voltage: +8V ~ +15V
- Supply Current: 80mA

Typical Applications

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

General Description

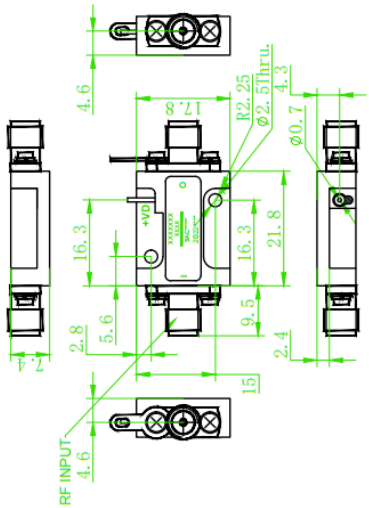
SAC1318 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency is from 0.9 to 1.2 GHz with 33.5 dB of gain and 10 dBm Output P_{-1}dB.

Electrical Performance

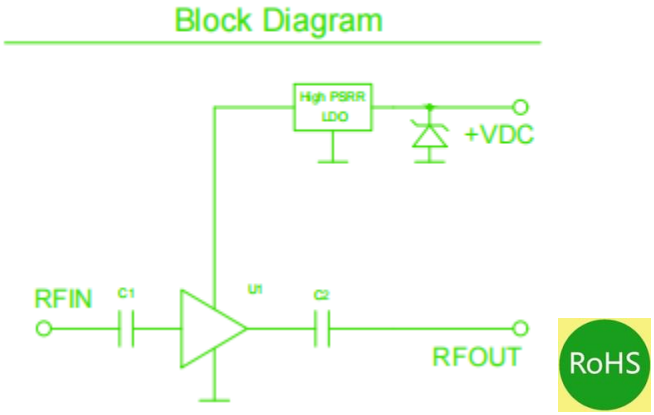
Parameter	Min.	Typ.	Max.	Units
Frequency Range		0.9 ~ 1.2		GHz
Gain	28	—	33.5	dB
Gain Flatness	—	±0.5	±1.0	dB
Input VSWR	—	1.5	2.0	:1
Output VSWR	—	1.5	2.0	:1
Noise Figure	—	0.5	0.65	dB
Output Power for 1 dB Compression (OP_{-1}dB)	10	—	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I_D)	—	80	—	mA

Mechanical Outline

All dimensions are in millimeters



Assembly Diagram



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