

# SAC1294

## Low Noise Amplifier Module 0.4~0.9GHz

Rev1.0

### Features

- Frequency: 0.4~0.9GHz
- Gain: 30dB
- Noise Figure: 1dB
- Supply Voltage: +8V~+15V
- Supply Current: 120mA

### Typical Applications

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

### General Description

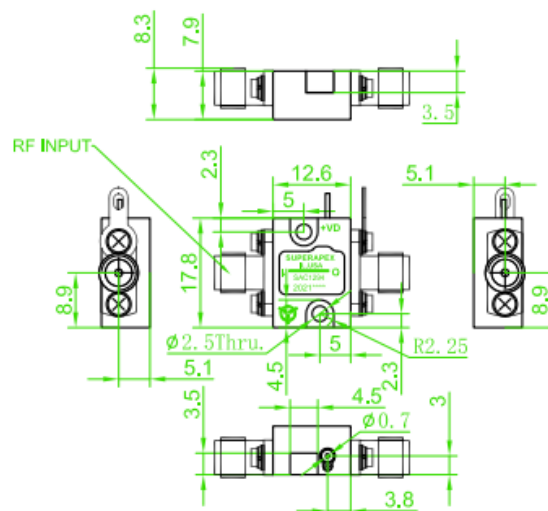
SAC1294 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 0.4 to 0.9 GHz with 30 dB of gain and 16dBm Output P<sub>1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	0.4~0.9			GHz
Gain	24	—	30	dB
Gain Flatness		±1	—	dB
Input VSWR	—	1.5	2	:1
Output VSWR	—	1.5	2	:1
Noise Figure	—	1.0	1.5	dB
Output Power for 1 dB Compression (OP <sub>1dB</sub> )	14	16	—	dBm
Supply Voltage	8	—	15	V
Supply Current (I <sub>b</sub> )	—	—	120	mA

### Mechanical Outline

All dimensions are in millimeters



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