

# SAC1288

## Low Noise Amplifier Hermetically Sealed Module 1~6GHz

Rev1.0

### Features

- Frequency: 1~6 GHz
- Gain: 35dB
- Noise Figure: 1.5dB Typ
- Gain Flatness:  $\pm 1$ dB
- Supply Voltage: +8V
- Supply Current: 0.2A

### Typical Applications

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

### General Description

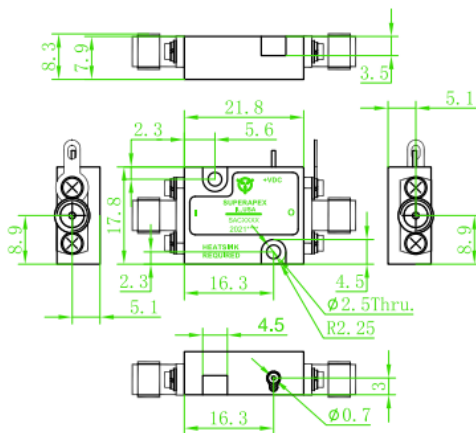
SAC1288 is a low noise amplifier manufactured using microwave hybrid integration technology. The operating frequency from 1 to 6 GHz with 35 dB of gain and 24dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	1~6			GHz
Gain	27	—	35	dB
Gain Flatness	—	$\pm 1$	—	dB
Input VSWR	—	—	2.0	:1
Output VSWR	—	—	2.0	:1
Noise Figure	—	1.5	3	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	20	24	—	dBm
Output IP <sub>3</sub>	—	38	—	dBm
Supply Voltage	—	8	—	V
Supply Current (I <sub>D</sub> )	—	0.2	0.28	A

### Mechanical Outline

All dimensions are in millimeters



### Typical Performance Curve

