

### Features

- Frequency: 28~30GHz
- Gain: 30dB
- OP<sub>-1dB</sub>: 32.5dBm
- Supply Voltage: +6V

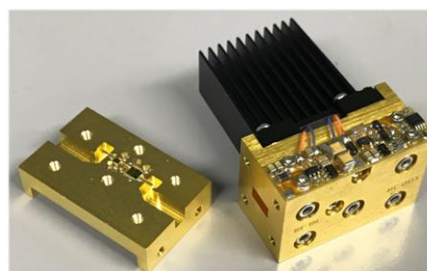
### Typical Applications

- Microwave Point to Point Communications
- VSAT
- 5G Communications

### General Description

SAC1129 is a power amplifier module with a typical small signal gain of 30dB and a nominal OP<sub>-1dB</sub> of +32.5dBm across the frequency range of 28 to 30GHz.

### Picture



### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	28~30			GHz
Gain	25	30	35	dB
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	31.8	32.5	—	dBm
Input Return Loss	—	-10	-8	dB
Output Return Loss	—	-5	—	dB
Reverse Isolation	—	-55	—	dB
Supply Voltage	5.8	6	6.5	V
Supply Current	—	1.4	2.2	A

### Mechanical Specifications

Parameter	
Input/Output	WR28/WR28
Bias	Pad/Case ground
Case Material	7050 Aluminum alloy
Finish	Gold Plated
Weight	105g