

Features

- Frequency: 13.5~14.75GHz
- Gain: 23dB
- OP_{-1dB}: 47.5dBm
- Supply Voltage: +8V

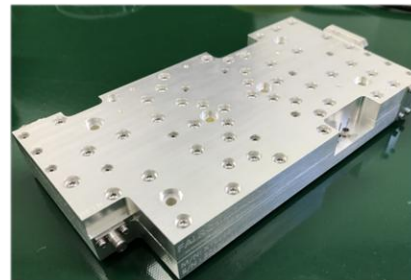
Typical Applications

- VSAT
- Microwave Communications

General Description

SAC1127 is a power amplifier module with a typical small signal gain of 23 dB and a nominal OP_{-1dB} of +47.5dBm across the frequency range of 13.5 to 14.75 GHz.

Picture



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	13.5~14.75			GHz
Gain	20	23	30	dB
Output Power for 1 dB Compression (OP _{-1dB})	46	47.5	—	dBm
Input Return Loss	—	-14	-10	dB
Output Return Loss	—	-14	-10	dB
Maximum Input Power	—	—	29	dBm
Supply Voltage(V)	8	8.5	9	V
Supply Current(A)	—	25	35	A

Mechanical Specifications

Parameter	
Input/Output	SMA-K/WR62
Bias	Feed thru capacitor
Case Material	7050 Aluminum alloy
Weight	1200g