SAC1127

GaAs MMIC Power Amplifier Module
13.5~14.75GHz 50W

Rev 1.0

Features

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

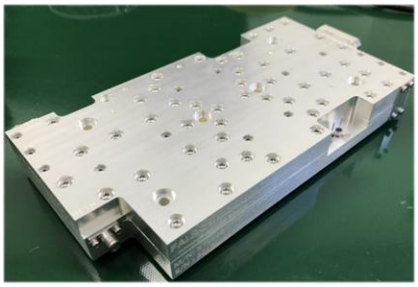
Typical Applications

- VSAT
- Microwave Communications

General Description

SAC1127 is a power amplifier module with a typical small signal gain of 23 dB and a nominal $OP_{-1}dB$ 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 ($OP_{-1}dB$)	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

RoHS

SuperApex, LLC
2801 Lakeside Drive, Suite 208, Bannockburn, IL 60015, USA
Tel: 1-847-505-8319, 1-847-573-9866
E-mail: sales@superapexco.com
Website: www.superapexco.com