SAC1123

GaAs MMIC Power Amplifier Module
34～36GHz 10W

Rev 1.0

Features

- Frequency: 34 ~ 36GHz
- Gain: 24dB
- $OP_{-1}dB$: 40dBm
- Supply Voltage: +6.3V

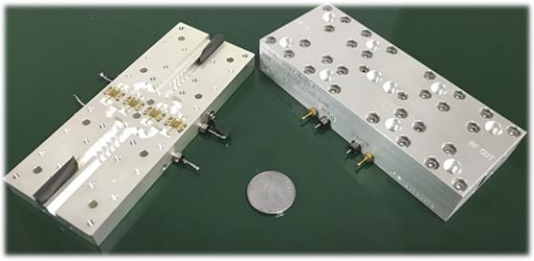
Typical Applications

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

General Description

SAC1123 is a Power amplifier module with a typical small signal gain of 24 dB and a nominal $OP_{-1}dB$ of +40dBm across the frequency range of 34 to 36 GHz.

Picture



Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range		34 ~ 36		GHz
Gain	20	24	29	dB
Output Power for 1 dB Compression ($OP_{-1}dB$)	39	40	—	dBm
Input Return Loss	—	-13	-10	dB
Output Return Loss	—	-13	-10	dB
Maximum Input Power	—	—	17	dBm
Supply Voltage(V)	6	6.3	6.5	V
Supply Current(A)	—	11	14	A

Mechanical Specifications

Parameter	
Input/Output	WR28/WR28
Bias	Feed thru capacitor
Case Material	7050 Aluminum alloy
Finish	Silver plated
Weight	220g

RoHS

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