

SAC1295

Ku-Band Power Amplifier Module 14~16GHz

Rev1.0

Features

- Frequency: 14~16 GHz
- Gain: 37dB
- Gain Flatness: ± 1.5 dB
- Supply Voltage: +18V~+32V
- Supply Current: 1A
- Size: 52.9mm×32.0mm×10.0mm

Typical Applications

- Microwave radio
- Telecommunication
- Test instrumentation

General Description

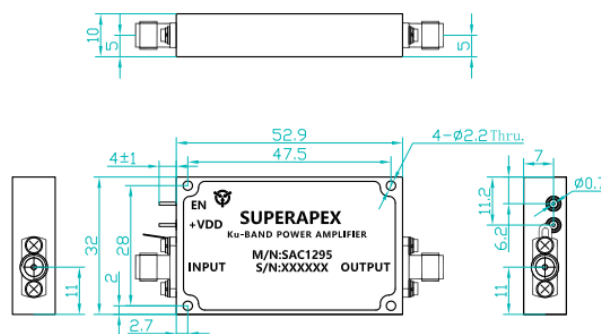
SAC1295 is a ku-band power amplifier manufactured using microwave hybrid integration technology. The operating frequency from 14 to 16 GHz with 37 dB of gain and 33dBm Output P_{1dB}.

Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	14~16			GHz
Gain	30	—	37	dB
Input VSWR	—	1.7	—	:1
Output VSWR	—	1.5	—	:1
Output Power for 1 dB Compression (OP _{1dB})	32.5	33	—	dBm
Supply Voltage	18	—	32	V
Supply Current (I _b)	—	—	1	A

Mechanical Outline

All dimensions are in millimeters



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