

# SAC1256

## Power Amplifier Module 14.5~15.5GHz

Rev1.0

### Features

- Frequency: 14.5~15.5 GHz
- Gain: 20dB
- Gain Flatness:  $\pm 1.0$ dB
- OP<sub>-1</sub>dB: 38dBm
- Supply Voltage: +8V
- Supply Current: 4A
- Size: 40mm×40mm×9mm

### Typical Applications

- Microwave radio
- Telecommunication
- Test instrumentation

### General Description

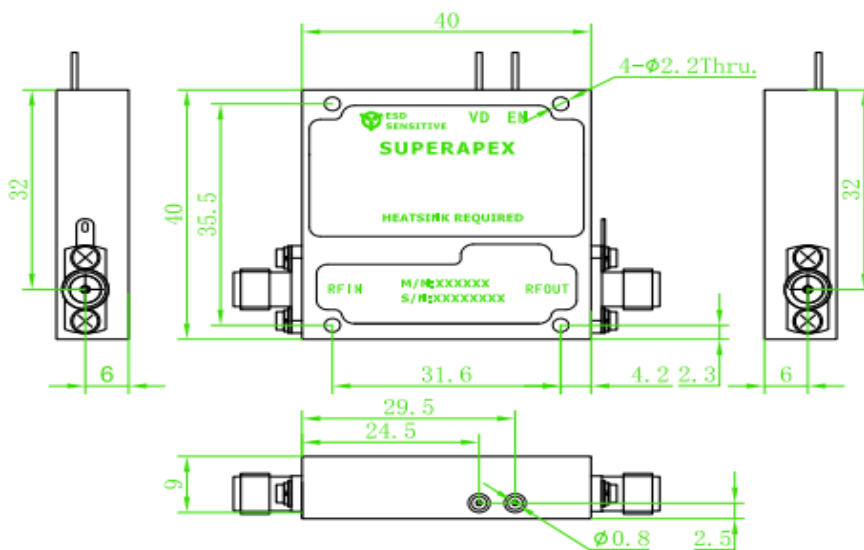
SAC1256 is a power amplifier manufactured using microwave hybrid integration technology. The operating frequency from 14.5 to 15.5GHz with 20 dB of gain and 38dBm Output P<sub>-1</sub>dB.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	14.5~15.5			GHz
Gain	20	—	27	dB
Input VSWR	—	1.5	2.0	:1
Output VSWR	—	2.0	—	:1
Output Power for 1 dB Compression (OP <sub>-1</sub> dB)	37	38	—	dBm
Supply Voltage	—	8	—	V
Supply Current (I <sub>b</sub> )	—	4	—	A

### Mechanical Outline

All dimensions are in millimeters



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