

# SAC1276

## X-band Power Amplifier Module 9.0~12.5GHz

Rev1.0

### Features

- Frequency: 9.0~12.5 GHz
- Gain Flatness:  $\pm 1.5$ dB
- OP<sub>-1dB</sub>: 33dBm
- Supply Voltage: +12V~+15V
- Supply Current: 2A
- Size: 52.9mm×32.0mm×10.0mm

### Typical Applications

- Microwave radio
- Telecommunication
- Test instrumentation

### General Description

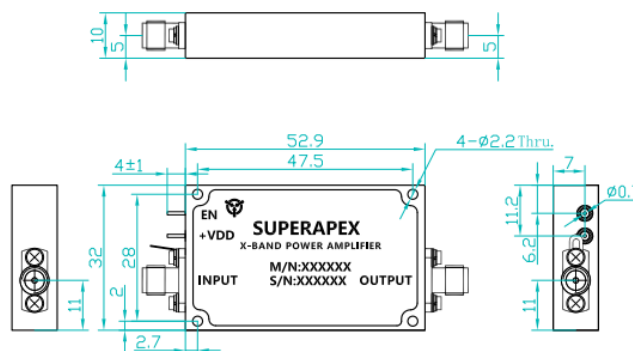
SAC1276 is a X-band power amplifier manufactured using microwave hybrid integration technology. The operating frequency from 9.0 to 12.5 GHz with 33dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	9.0~12.5			GHz
Gain Flatness	—	$\pm 1.5$	—	dB
Input VSWR	—	1.7	—	:1
Output VSWR	—	2.2	—	:1
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	—	33	—	dBm
Supply Voltage	12	—	15	V
Supply Current (I <sub>b</sub> )	—	—	2	A

### Mechanical Outline

All dimensions are in millimeters



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