

# SAC1338

## X-Band Power Amplifier Module 8.5~9.5GHz

Rev1.0

### Features

- Frequency: 8.5~9.5 GHz
- Gain: 15dB
- Gain Flatness:  $\pm 1.5$ dB
- Power Supply: -VSS:-5V(0.1A),+VDD:+8.5V(8A)
- Size: 52.9mm×32.0mm×10.0mm

### Typical Applications

- Microwave radio
- Telecommunication
- Test instrumentation

### General Description

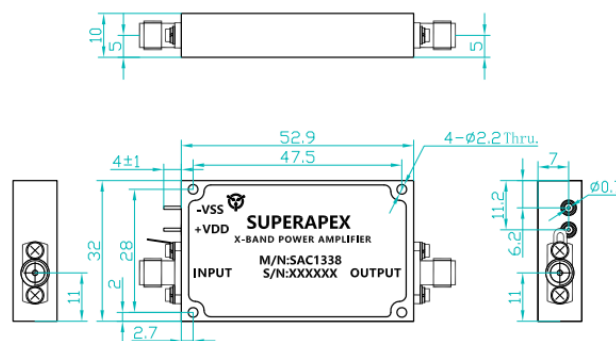
SAC1338 is a X-band power amplifier manufactured using microwave hybrid integration technology. The operating frequency from 8.5 to 9.5 GHz with 22 dB of gain and 41.5 dBm Output P<sub>-1dB</sub>.

### Electrical Performance

Parameter	Min.	Typ.	Max.	Units
Frequency Range	8.5~9.5			GHz
Gain	15	—	22	dB
Input VSWR	—	—	2.0	:1
Output Power for 1 dB Compression (OP <sub>-1dB</sub> )	41.5	—	—	dBm
Power Supply	-VSS:-5V(0.1A),+VDD:+8.5V(8A)			

### Mechanical Outline

All dimensions are in millimeters



Turn ON: Apply -VSS first then apply +VDD  
Turn OFF: Remove +VDD first then remove-VSS

### SuperApex Corporation

Address: 1580 S. Milwaukee Ave. Suite 405, Libertyville, IL 60048, USA  
Tel: 1-847-505-8319, 1-847-573-9866  
E-mail: sales@superapexco.com  
Website: www.superapexco.com