

5 MHz-500 MHz 100 dB Demodulating Logarithmic Amplifier with Limiter Output

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TSSOP-16
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for AD8309ARU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

AD8309ARU is a high-performance RF/IF gain and phase detector manufactured by Analog Devices Inc. It is a fully integrated device that provides accurate measurement of both the amplitude and phase of an input signal. Some of its key features are:

### Features

- Wide frequency range: 1 MHz to 2.7 GHz
- High accuracy: 1 dB of gain accuracy and 1 degree of phase accuracy
- High dynamic range: -70 dBm to 0 dBm
- Single supply voltage: 2.7 V to 5.5 V
- Low power consumption: 8.5 mA at 3 V supply voltage

### Application

- RF power measurement
- Automatic gain control
- Phase detection and tracking
- Quadrature demodulation
- Directional power measurement



### Related Products



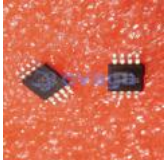
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