
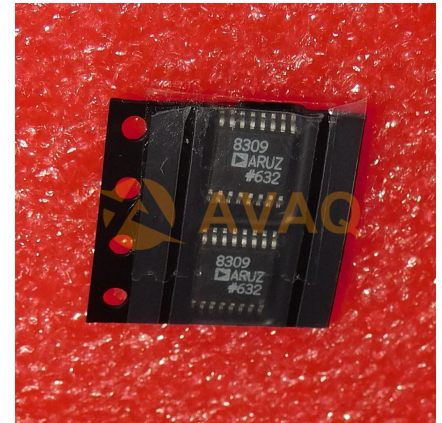


SP Amp LOG Amp Single R-R O/P 6.5V 16-Pin TSSOP Tube

Manufacturer:	<u>Analog Devices, Inc</u>
Package/Case:	TSSOP16
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

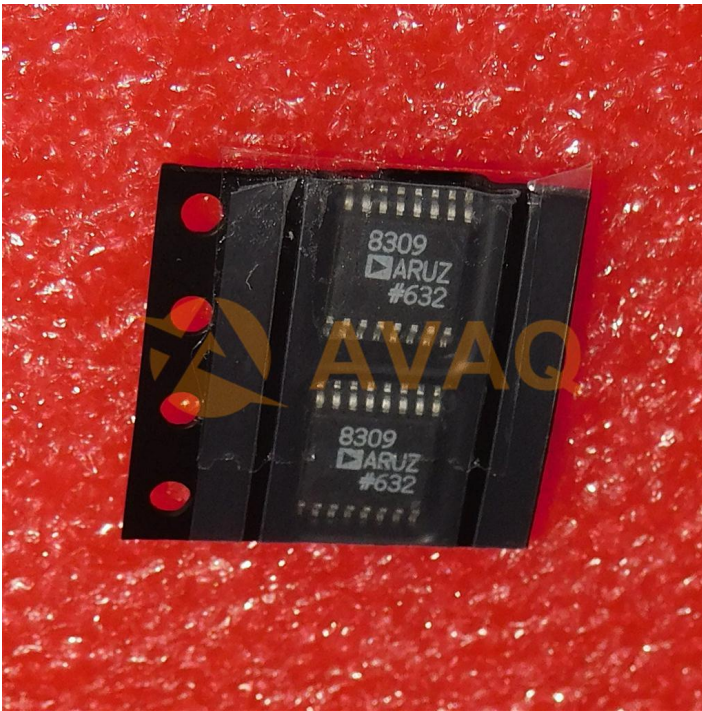
It provides a dynamic range of 100 dB with an accuracy of ± 0.4 dB over the central 80 dB and operates up to 500 MHz. The logarithmic output is proportional to the logarithm of the input signal, providing a 0.4 V to 2.5 V DC signal over the 100 dB input range. A limiter output is also provided which amplifies the input signal by 100 dB, providing a stable limited output with a maximum of ± 100 ps phase skew. This limiter output is useful for demodulating FSK and PSK modulated signals.

The AD8309 operates from a single 2.7 V to 5.5 V dc power supply, drawing 20 mA typical. It is supplied in a 16 pin plastic TSSOP package.

An evaluation board is available for this product and may be ordered using the following product number: AD8309-EVAL. Schematic and layout for this evaluation board is contained in the product datasheet.

Key Features

- Complete multistage log-limiting IF amplifier
- Programmable limiter gain and output current



Recommended For You

AD524BDZ

Analog Devices, Inc
CDIP-16

AD8221BR

Analog Devices, Inc
SOP-8

AD8221ARZ

Analog Devices, Inc
SOP8

AD627BRZ

Analog Devices, Inc
SOP8

AD622ANZ

Analog Devices, Inc
DIP8

ADA4930-2YCPZ-R7

Analog Devices, Inc
LFCSP24

AD8034ARZ

Analog Devices, Inc
SOP8

AD8561ARZ

Analog Devices, Inc
SOP8

AD633JRZ

Analog Devices, Inc
SOP8

AD632AH

Analog Devices, Inc
CAN10

AD8422BRZ

Analog Devices, Inc
SOP8

ADCMP600BKSZ-R2

Analog Devices, Inc
SC70-5

AD620BN

Analog Devices, Inc
DIP8

AD620BR

Analog Devices, Inc
SOP

AD204JY

Analog Devices, Inc
DIP