

CMOS 8-Channel Analog Multiplexer; Package: PDIP; No of Pins: 16; Temperature Range: Industrial

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	PDIP-16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ADG508AKNZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADG508A and ADG509A are designed on an enhanced LC2MOS process that gives an increased signal capability of VSS to VDD and enables operation over a wide range of supply voltages. The devices can comfortably operate anywhere in the 10.8 V to 16.5 V single- or dual-supply range. These multiplexers also feature high switching speeds and low RON.

### Product Highlights

**Single-/Dual-Supply Specifications with a Wide Tolerance.** The devices are specified in the 10.8 V to 16.5 V range for both single and dual supplies.

**Extended Signal Range.** The enhanced LC2MOS processing results in a high breakdown and an increased analog signal range of VSS to VDD.

**Break-Before-Make Switching.** Switches are guaranteed break-before-make so that input signals are protected against momentary shorting.

**Low Leakage.** Leakage currents in the range of 20 pA make these multiplexers suitable for high precision circuits.

## Features

44 V supply maximum rating

VSS to VDD analog signal range

Single-/dual-supply specifications

Wide supply range: 10.8 V to 16.5 V

Extended plastic temperature range:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Low power dissipation: 28 mW maximum

Low leakage: 20 pA typical

Available in 16-lead DIP/SOIC and 20-lead PLCC/LCC packages

Superior alternative to DG508A, HI-508DG509A, HI-509





**Related Products**



[ADV7181CBSTZ](#)  
Analog Devices, Inc  
LQFP-64



[AD8170AR](#)  
Analog Devices, Inc  
SOP8



[AD724JR](#)  
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SOIC-16



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[ADUM4160BRIZ](#)  
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