ADG508AKRZ

Data Sheet

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

Manufacturers	Analog Devices, Inc
Package/Case	SOP16
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for ADG508AKRZ or Email to us: 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°C to +85°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 toDG508A, HI-508DG509A, HI-509

Related Products

ADV7181CBSTZ

Analog Devices, Inc

LQFP-64

AD8170AR

Analog Devices, Inc

SOP8

AD724JR

Analog Devices, Inc

SOIC-16

ADV7393BCPZ

Analog Devices, Inc

LFCSP-VQ-40

ADV7391WBCPZ

Analog Devices, Inc

LFSCP-3

ADV7390BCPZ

Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64

ADUM4160BRIZ

Analog Devices, Inc

SOIC-16