ADG428BRZ

Data Sheet

Analog Multiplexer, 8:1, 1 Circuit, 100 ohm, 20 µA, 12V, ± 15V, SOIC-18

Manufacturers	Analog Devices, Inc
Package/Case	SOIC-18
Product Type	Multiplexer Switch ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for ADG428BRZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG428 is a monolithic CMOS analog multiplexer comprising eight single channels. On-chip address and control latches facilitate microprocessor interfacing. The ADG428 switches one of eight inputs to a common output as determined by the 3-bit binary address lines A0, A1 and A2. An EN input on both devices is used to enable or disable the device. When disabled, all channels are switched OFF. All the control inputs, address and enable inputs are TTL compatible over the fully specified operating temperature range. This makes the part suitable for bus-controlled systems such as data acquisition systems, process controls, avionics and ATEs because the TTL compatible address latches simplify the digital interface design and reduce the board space required.

Product Highlights
Extended Signal RangeThe ADG428/ADG429 are fabricated on an enhanced LC2MOS process, giving an increased signal range that extends to the supply rails.

Low Power Dissipation

Low RON

Single/Dual Supply Operation

Single Supply OperationFor applications where the analog signal is unipolar, the ADG428/ADG429 can be operated from a single rail power supply. The parts are fully specified with a single +12 V power supply and will remain functional with single supplies as low as +5 V.

Applications
Automatic Test Equipment

Data Acquisition Systems

Communication Systems

Avionics and Military Systems

Microprocessor Controlled Analog Systems

Medical Instrumentation

Features

44 V Supply Maximum Ratings

VSS to VDD Analog Signal Range

Low On-Resistance (60 Ω typ)

Low Power Consumption (1.6 mW max)

Low Charge Injection(<4 pC typ)

Fast Switching

Break-Before-Make Switching Action

Plug-In Replacement for DG428

18-Lead DIP/SOIC Packages

Application

Automatic Test Equipment

Data Acquisition Systems

Communication Systems

Avionics and Military Systems

Microprocessor Controlled Analog Systems

Medical Instrumentation

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

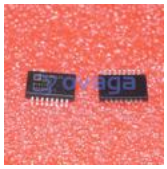
Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64



ADUM4160BRIZ

Analog Devices, Inc

SOIC-16