

Analogue Switch, Single Channel, 1 Channels, SPDT, 5 ohm, 1.8V to 5.5V, SC-70, 6 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SC70-6
Product Type	Analog Switches Multiplexers ; Single Supply 1.65V to 5.5V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG749BKSZ-REEL7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG749 is a monolithic CMOS SPDT switch. This switch is designed on a submicron process that provides low power dissipation yet gives high switching speed, low on resistance, and low leakage currents.

The ADG749 can operate from a single-supply range of 1.8 V to 5.5 V, making it ideal for use in battery-powered instruments and with the new generation of DACs and ADCs from Analog Devices, Inc.

Each switch of the ADG749 conducts equally well in both directions when on. The ADG749 exhibits break-before-make switching action.<p>

Because of the advanced submicron process, -3 dB bandwidths of greater than 200 MHz can be achieved.

The ADG749 is available in a 6-lead SC70 package.

Product Highlights

1.8 V to 5.5 V Single-Supply Operation. The ADG749 offers high performance, including low on resistance and fast switching times, and is fully specified and guaranteed with 3 V and 5 V supply rails.

Very Low RON (5 Ω Maximum at 5 V and 10 Ω Maximum at 3 V). At 1.8 V operation, RON is typically 40 Ω over the temperature range.

Automotive Temperature Range: -40°C to +125°C.

On Resistance Flatness (RFLAT(ON)) (0.75 Ω typical).

-3 dB Bandwidth > 200 MHz

Low Power Dissipation. CMOS construction ensures low power dissipation.

Fast tON/tOFF.

Tiny, 6-lead SC70 Package.

Applications

Battery-powered systems

Communication systems

Sample-and-hold systems

Audio signal routing

Video switching

Mechanical reed relay replacement

Features

1.8 V to 5.5 V Single Supply

5 Ω (maximum) on resistance

0.75 Ω (typical) on resistance flatness

Automotive temperature range: -40°C to $+125^{\circ}\text{C}$

Rail-to-rail operation

6-lead SC70 package

Fast switching = 6 ns

Typical power consumption ($< 0.01 \mu\text{W}$)

TTL/CMOS compatible

Application

Battery-powered systems

Communication systems

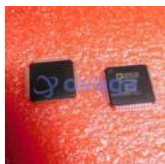
Sample-and-hold systems

Audio signal routing

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Mechanical reed relay replacement

Related Products



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LQFP-64



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