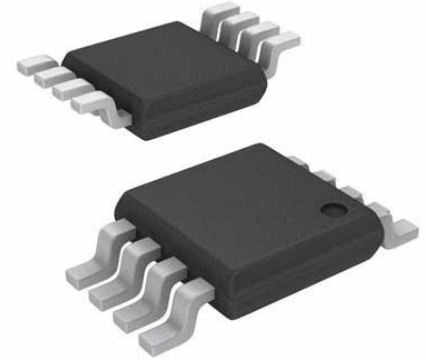


Analog Switch ICs 80dB 150 Ohm 250MHz CMOS RF/Video SPDT

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Analog Switches Multiplexers ; Single Supply 1.65V to 5.5V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG752BRMZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG752 is a low voltage SPDT (single pole, double throw) switch. It is constructed using switches in a T-switch configuration, which results in excellent Off Isolation while maintaining good frequency response in the ON condition.

High off isolation and wide signal bandwidth make this part suitable for switching RF and video signals. Low power consumption and operating supply range of +1.8 V to +5.5 V make it ideal for battery powered, portable instruments.

The ADG752 is designed on a submicron process that provides low power dissipation yet gives high switching speed and low on resistance. This part is a fully bidirectional switch and can handle signals up to and including the supply rails. Break-before-makeswitching action ensures the input signals are protected against momentary shorting when switching between channels. The ADG752 is available in 6-lead SOT-23 and 8-lead mSOIC packages.

Product Highlights

High Off Isolation –80 dB at 30 MHz.

–3 dB Signal Bandwidth 250 MHz.

Low On Resistance (15 Ω).

Low Power Consumption, typically <0.01 μW.

Break-Before-Make Switching Action.

Tiny 6-lead SOT-23 and 8-lead μSOIC packages.

Applications

Audio and Video Switching

RF Switching

Networking Applications

Battery Powered Systems

Communication Systems

Relay Replacement

Sample-and-Hold Systems

Features

High Off Isolation –80 dB at 30 MHz

Low On-Resistance (15 Ω)

Typical Power Consumption (<0.01 μ W)

Fast Switching Times tON 8 ns tOFF 3 ns

TTL/CMOS Compatible

Application

Audio and Video Switching

RF Switching

Networking Applications

Battery Powered Systems

Communication Systems

Relay Replacement

Sample-and-Hold Systems

Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD8170AR](#)

Analog Devices, Inc
SOP8



[ADV724JR](#)

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