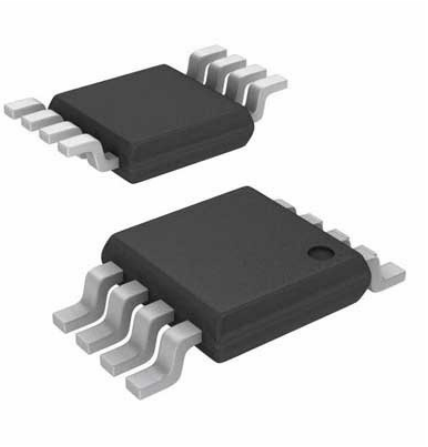
ADG819BRMZ

Data Sheet

0.5 O CMOS 1.8 V to 5.5 V 2:1 Mux/SPDT Switch with BBM Switching Action

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Analog Switches Multiplexers ; Single Supply 2V to 16V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG819BRMZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG819 is a monolithic, CMOS SPDT (single pole, double throw) 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. Low-power consumption and operating supply range of +1.8 V to +5.5 V make the ADG819 ideal for battery-powered, portable instruments.

Each switch of the ADG819 conducts equally well in both directions when on. The ADG819 exhibits break-before- make switching action, thus preventing momentary shorting when switching channels. (See the ADG820 for a switch exhibiting make-before-break action.)

The ADG819 is available in a 6-lead SOT-23 packageand an 8-lead µSOIC package as well as a 2x3 array MicroCSP package. This chip occupies only a 2.18mm x 1.14mm area, thus making it the ideal candidate for space-constrained applications.

Features

Low On Resistance 0.8 O Max at 125°C

0.25 Ω Max On-Resistance Flatness

200 mA Current Carrying Capability

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

Rail-to-Rail Operation

6-Lead SOT-23 Package, 8-Lead μSOICPackage, and 6-Bump MicroCSP (Micro Chip Scale Package)

Fast Switching Times

Typical Power Consumption (<0.01 μW)

TTL/CMOS Compatible Inputs

Pin Compatible with the

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