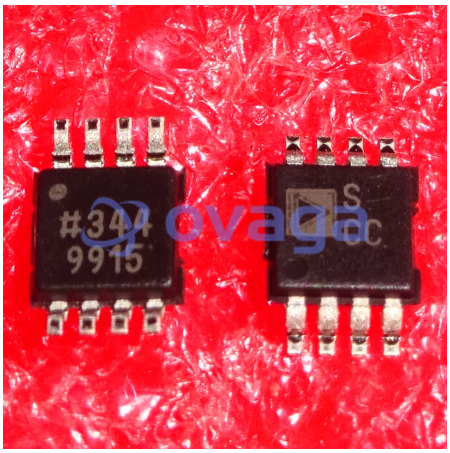
ADG619BRMZ

Data Sheet

Analogue Switch, 1 Channels, SPDT, 6.5 ohm, ± 2.7V to ± 5.5V, MSOP, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Interface - Switches, Multiplexers, Demultiplexers
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADG619BRMZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADG619/ADG620 are monolithic, CMOS single-pole double-throw (SPDT) switches. Each switch conducts equally well in both directions when the device is on.

The ADG619/ADG620 offer a low on resistance of 4 Ω, which is matched to within 0.7 Ω between channels. These switches also provide low power dissipation, yet result in high switching speeds.

The ADG619 exhibits break-before-make switching action, thus preventing momentary shorting when switching channels. The ADG620 exhibits make-before-break action.

The ADG619/ADG620 are available in an 8-lead SOT-23 and an 8-lead MSOP.

The ADG619-EP support defense and aerospace applications (AQEC standard)

Product Highlights
Low on resistance (RON): 4 Ω typical.

Dual ±2.7 V to ±5.5 V or single 2.7 V to 5.5 V supplies.

Low power dissipation.

Fast tON/tOFF.

Tiny, 8-lead SOT-23 and 8-lead MSOP.

Applications
Automatic test equipment

Power routing

Communication systems

Data acquisition systems

Sample-and-hold systems

Avionics Relay replacement

Battery-powered systems

Features

6.5 Ω (maximum) on resistance

0.8 Ω (maximum) on-resistance flatness

2.7 V to 5.5 V single supply

Rail-to-rail operation

8-lead SOT-23, 8-lead MSOP

Typical power consumption (<0.1 μW)

TTL-/CMOS-compatible inputs

ADG619-EP supports defense and aerospace applications (AQEC standard)

Download the(pdf file)

Military temperature range: −55°C to +125°C

Controlled manufacturing baseline

One assembly and test site

One fabrication site

Enhanced product change notification

Qualification data available on request

V62/11608 DSCC Drawing Number

Application

Automatic test equipment

Power routing

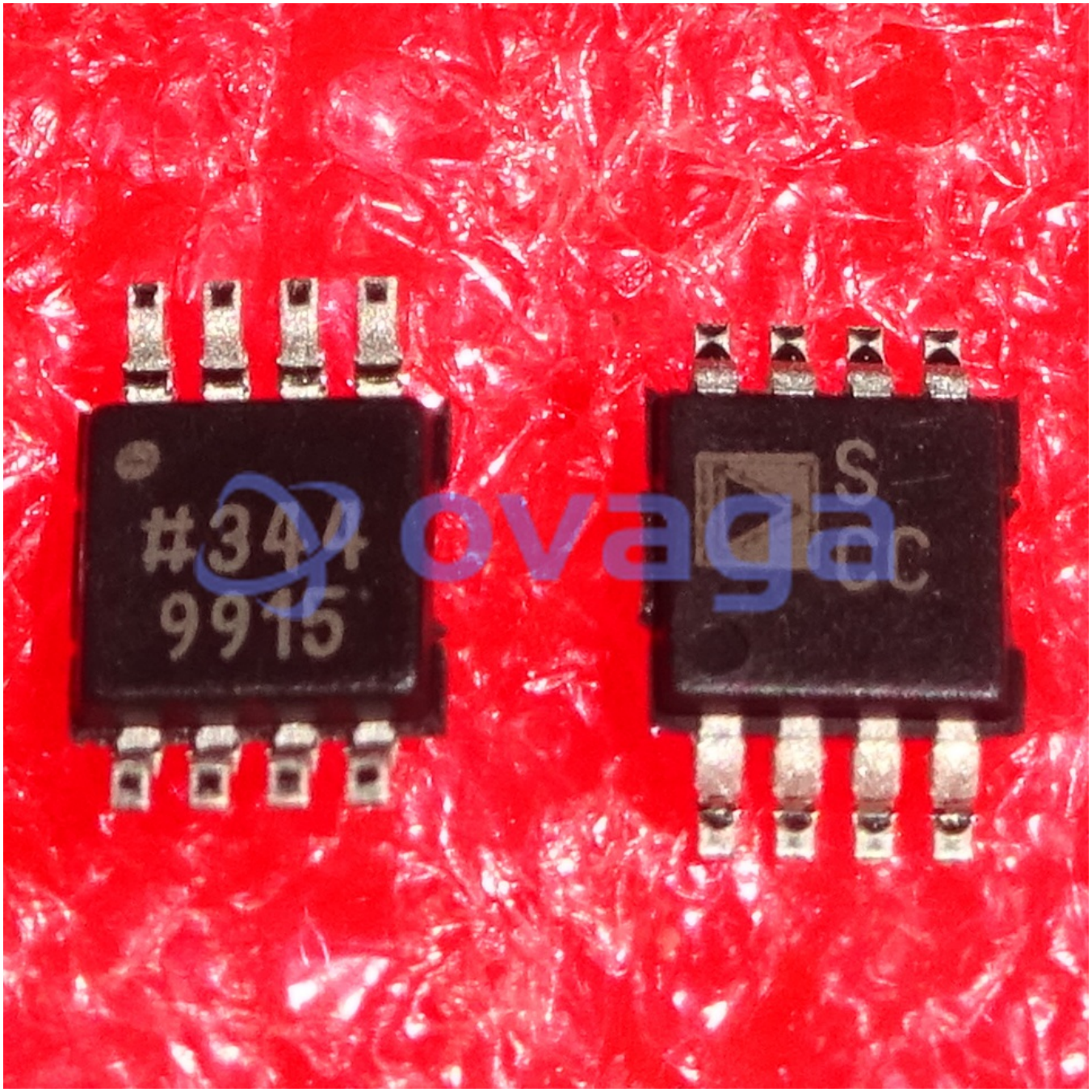
Communication systems

Data acquisition systems

Sample-and-hold systems

Avionics Relay replacement

Battery-powered systems



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

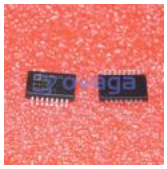
Analog Devices, Inc

QFN32

ADV7341BSTZ

Analog Devices, Inc

LQFP-64



ADUM4160BRIZ

Analog Devices, Inc

SOIC-16