


Analog Switch Single SPST 8-Pin SOIC N Tube

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP-8
Product Type:	Switches
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ADG417 is a monolithic CMOS SPST switch. This switch is designed on an enhanced LC2MOS process that provides low power dissipation yet gives high switching speed, low on resistance and low leakage currents.

The on resistance profile of the ADG417 is very flat over the full analog input range ensuring excellent linearity and low distortion. The part also exhibits high switching speed and high signal bandwidth. CMOS construction ensures ultralow power dissipation making the parts ideally suited for portable and battery powered instruments.

The ADG417 switch, which is turned ON with a logic low on the control input, conducts equally well in both directions when ON and has an input signal range that extends to the supplies. In the OFF condition, signal levels up to the supplies are blocked. The ADG417 exhibits break-before-make switching action for use in multiplexer applications. Inherent in the design is low charge injection for minimum transients when switching the digital input.

Key Features

- Fast switching times
- Break-before-make switching action
- Plug-in replacement for DG417
- Ultralow power dissipation
- Single supply operation
- <35mW Ultralow power dissipation

Application

- Precision Test Equipment
- Precision Instrumentation
- Battery Powered Systems
- Sample Hold Systems

Recommended For You

ADG201HSKNZ

Analog Devices, Inc

DIP16

ADG506AKPZ

Analog Devices, Inc

PLCC28

ADG202AKNZ

Analog Devices, Inc

DIP16

AD8180ARZ

Analog Devices, Inc
SOP8

ADG509ATQ

Analog Devices, Inc
CDIP16

ADG526ATQ

Analog Devices, Inc
CDIP

ADG508FBNZ

Analog Devices, Inc
DIP16

ADG433BRZ

Analog Devices, Inc
SOP16

ADG507AKRZ

Analog Devices, Inc
SOP28

ADG713BRUZ

Analog Devices, Inc
TSSOP16

ADG1607BRUZ

Analog Devices, Inc
TSSOP28

ADG823BRMZ

Analog Devices, Inc
MSOP8

ADG526AKRZ

Analog Devices, Inc
SOP28

ADG436BNZ

Analog Devices, Inc
DIP

ADG774ABRQZ

Analog Devices, Inc
SSOP16