

Quad Spst Cmos Analog Switches Vishay Intertechnology

Chip Chat #4 CD4051 Analog Switch / Multiplexer / Demultiplexer - Ec-Projects

Designing with Analog Switches Analog Switch Solutions The Learning Circuit - Switches Top 1Pes DG308BDJ DG308 DG308BD Improved Quad CMOS Analog Switches DIP16 New and original Switch Analog - commutateur analogique - 4066 - MC14066 - 74HC4066 Arrow Coffee and Components - 01- Pros for Using the Analog CMOS Switch ADG5434 4066 Quad gate controlled switch DIY Modular in a Week 10.6 TI Precision Labs Switches and muxes: What are switches \u0026amp; multiplexers? CD4066B CMOS Quad Bilateral Switch Synth DIY - Analog Switch Demonstration Analog Switch Solutions Electronic Basics #5: How to Multiplex MOSFETs and How to Use Them | AddOhms #11 Audio Signal Switch HariFun #143 - How to read a 4x4 keypad using just one Arduino pin! Ep.54 Analog Input Multiplexing with the 74HC4051 - 8 Sensors on 1 Pin Episode 10: Load Switches Ahead

Digital Electronics: Logic Gates - Integrated Circuits Part 1

13. Arduino for Production! AVR Atmega32 - Understanding Button Debouncing Use Arduino to Switch Power On and Off! How to Use a MOSFET as a Switch The CMOS Switch SN74LV4051AN Analog Switch - A Physical Switch With No Moving Parts - Simply Put Which Switch is Which? - Understanding Analog Switches - Beginner Electronics - 13 Switches - 74HC4066 Quad-Analog Switch tryout Collin's Lab: Switches MOS as a Sampling Switch Analog Building Block Analog \u0026amp; Mixed VLSI Design Analog switch DG723 Quad Spst Cmos Analog Switches

General Description The DG201A and DG211 are normally closed, quad single-pole single-throw (SPST) analog switches. These CMOS switches can be continuously operated with power supplies ranging from $\pm 4.5\text{V}$ to $\pm 18\text{V}$. Maxim guarantees that these switches will not latch up if the power supplies are disconnected with input signals still connected.

Quad SPST CMOS Analog Switches - Maxim Integrated

The MAX312/MAX313/MAX314 are quad, single-pole/single-throw (SPST) analog switches. The MAX312 is normally closed (NC), and the MAX313 is normally open (NO). The MAX314 has two NC switches and two NO switches. All three devices operate from a single supply of +4.5V to +30V or from dual supplies of $\pm 4.5\text{V}$ to $\pm 20\text{V}$.

MAX312 10?, Quad, SPST, CMOS Analog Switches - Maxim ...

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DG201A Quad SPST CMOS Analog Switches - Maxim Integrated

The MAX4661/MAX4662/MAX4663 quad analog switches feature low on-resistance of 2.5? Ω max. On-resistance is matched between switches to 0.5? Ω max and is flat (0.5? Ω max) over the specified signal range. Each switch can handle Rail-to-Rail[®] analog signals. Off- leakage current is only 5nA max at TA= +85 $^{\circ}\text{C}$.

?, Quad, SPST, CMOS Analog Switches

Quad Monolithic SPST CMOS Analog Switches FEATURES • $\pm 15\text{V}$ analog input range † Low on-resistance: 60 † Fast switching: 130 ns † Low power dissipation: 30 nW † CMOS logic compatible BENEFITS † Full rail-to-rail analog signal range † Low signal error † Wide dynamic range † Single or dual supply capability † Static protected logic inputs

Quad Monolithic SPST CMOS Analog Switches

The MAX4614/MAX4615/MAX4616 quad, low-voltage, high-speed, single-pole/single-throw (SPST) analog switches are pin compatible with the industry-standard 74HC4066/MAX4610 analog switches. On-resistance (10? Ω max) is matched between switches to 1? Ω max and is flat (1? Ω max) over the specified signal range. Each switch handles V+ to GND analog signal levels.

Low-Voltage, High-Speed, Quad, SPST CMOS Analog Switches

Quad SPST CMOS Analog Switches DESCRIPTION The DG441, DG442 monolithic quad analog switches are designed to provide high speed, low error switching of analog and audio signals. The DG441 has a normally closed function. The DG442 has a normally open function. Combining low on-resistance (50 Ω , typ.) with high speed

Quad SPST CMOS Analog Switches - Vishay Intertechnology

Precision Monolithic Quad SPST CMOS Analog Switches DESCRIPTION The DG411 series of monolithic quad analog switches was designed to provide high speed, low error switching of precision analog signals. Combining low power (0.35 μW) with high speed (tON: 110 ns), the DG411 family is ideally suited for portable and battery powered industrial and military

Precision Monolithic Quad SPST CMOS Analog Switches

10?, Quad, SPST, CMOS Analog Switches 4 _____ ELECTRICAL CHARACTERISTICS—Single Supply (V+ = 12V, V- = 0V, VL = 5V, GND = 0V, VINH = 2.4V, VINL = 0.8V, TA = TMIN to TMAX, unless otherwise noted.) Note 2: The algebraic convention, where the most negative value is a ...

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Analog Devices offers a comprehensive portfolio of switches and multiplexers covering single to multiple switch elements with various signal ranges in a variety of packages to best suit customer application needs. ADI switches and multiplexers are used in a wide and growing range of applications from industrial and instrumentation to medical, consu

Analog Switches Multiplexers | Analog Devices

High Voltage 4-: Quad SPST CMOS Analog Switch FEATURES • Low on-resistance (4 Ω : typical) † On-resistance flatness (0.2 Ω : typical) † 100 mA continuous current † 44 V supply maximum rating † $\pm 15\text{V}$ analog signal range † Fully specified at supply volt ages of $\pm 5\text{V}$, 12 V and $\pm 15\text{V}$ † Ultra low power dissipation of (18 μW)

High Voltage 4- Quad SPST CMOS Analog Switch

DG444, DG445. Monolithic, Quad SPST, CMOS Analog. Switches. The DG444 and DG445 monolithic CMOS analog switches. are drop-in replacements for the popular DG211 and DG212. series devices. They include four independent single pole. single throw (SPST) analog switches and TTL and CMOS. compatible digital inputs.

DG445DYZ datasheet(1/12 Pages) INTERSIL | Monolithic, Quad ...

The DG202/DG212 are normally open, quad single-pole single-throw (SPST) analog switches. These CMOS switches can be continuously operated with power supplies ranging from $\pm 4.5\text{V}$ to $\pm 18\text{V}$. Maxim guarantees that these switches will not latch up if the power supplies are disconnected with input signals still connected.

Quad SPST CMOS Analog Switches - RS Components

ANALOG DEVICES CMOS Quad SPST Analog Switch FEATURES Low "ON" Resistance: 100n RoN Mismatch Between Switches: 1% Fast Switching: 20ns Low Power Dissipation: 1 Of.1W, max Superior Replacement for: CD4016A (AD7516J, S) CD4066A (AD7516K, T) GENERAL DESCRIPTION The AD7516 consists of four SPST switches on a mono-lithic CMOS chip.

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The DG1411, DG1412, DG1413 are $\pm 15\text{V}$ precision monolithic quad single-pole single-throw (SPST) CMOS analog switches. Built on a new CMOS process, the Vishay Silicon DG1411, DG1412, and DG1413 offer low on-resistance of 1.5 Ω . The low and flat resistance over the full signal range ensures excellent linearity and low signal distortion.

Precision Monolithic Quad SPST CMOS Analog Switches

Dual/Quad SPST, CMOS Analog Switches HI-200/HI-201 (dual/quad) are monolithic devices comprising independently selectable SPST switches which feature fast switching speeds (HI-200 240ns, and HI-201 185ns) combined with low power dissipation (15mW at 25oC). Each switch provides low "ON" resistance operation for input signal

HI-200, HI-201 Datasheet

2.5?, quad, spst, cmos analog switches _____ 9 vgen gnd nc or no cl vo-15v v-v+ vo vin off on off ?vo q = (?vo)(cl) com +5v vin depends on switch configuration; input polarity determined by sense of switch. off on vin vin = +3v +15v rgen in vl max4601 max4602 max4603 figure 3. charge-injection test circuit ...

2.5?, Quad, SPST, CMOS Analog Switches

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