

Quad Spst Cmos Analog Switches Vishay Intertechnology

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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

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.

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DG201A Quad SPST CMOS Analog Switches - Maxim Integrated

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.

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Quad Monolithic SPST CMOS Analog Switches FEATURES • ± 15 V analog input range ... For SPST Switches per Package Logic "0" 3.5 V ... Analog Switch Analog Signal Rangee V ANALOG Full - 15 15 - 15 15 V Drain-Source On-Resistance RDS(on) VD = ± 10 V, IS = 1 mA Room

Quad Monolithic SPST CMOS Analog Switches

The DG444, DG445 monolithic quad analog switches are designed to provide high speed, low error switching of analog signals. The DG444 has a normally closed function. The DG445 has a normally open function. Combining low power (22 nW, typ.) with high speed (tON: 120 ns, typ.), the DG444, DG445 are ideally suited for upgrading DG211, DG212 sockets.

Quad SPST CMOS Analog Switches - Vishay Intertechnology

High-Speed Quad SPST CMOS Analog Switch FEATURES † Fast Switching-tON: 38 ns † Low On-Resistance: 25 Ω † Low Leakage: 100 pA † Low Charge Injection † TTL/CMOS Logic Compatible † Single Supply Compatibility † High Current Rating: - 30 mA BENEFITS ... Analog Switch Analog Signal Rangee VANALOG Full V- V+ V- V+ V Drain-Source On ...

High-Speed Quad SPST CMOS Analog Switch

DESCRIPTION The DG444B, DG445B are monolithic quad analog switches designed to provide high speed, low error switching of analog and audio signals. The DG444B, DG445B are upgrades to the original DG444, DG445.

Improved Quad SPST CMOS Analog Switches

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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 $\pm 4.5V$ to $\pm 20V$.

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

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 (t_{ON} : 110 ns), the DG411 family is ideally suited for portable and battery powered industrial and military applications.

Precision Monolithic Quad SPST CMOS Analog Switches

The MAX4613 quad, single-pole/single-throw (SPST) analog switch has two normally closed switches and the two normally open switches. Switching times are less than 250ns for t_{ON} and less than 70ns for t_{OFF} . Operation is from a single +4.5V to +40V supply or bipolar $\pm 4.5V$ to $\pm 20V$ supplies. MAX4613: Pin Configuration [Enlarge+](#)

MAX4613 Quad, SPST Analog Switch - Maxim Integrated

The MAX4610/MAX4611/MAX4612 are quad, low-voltage, single-pole/single-throw (SPST) analog switches. On-resistance (100 Ω , max) is matched between switches to 4 Ω , max and is flat (4 Ω , max) over the specified signal range. Each switch handles V+ to GND analog signal levels. Maximum off-leakage current is only 1nA at $T_A = +25^\circ C$ and 2nA at $T_A = +85^\circ C$.

MAX4610 Low-Voltage, Quad, SPST CMOS Analog Switches ...

The MAX4677/MAX4678/MAX4679 quad analog switches feature 1.6 Ω max on-resistance (R_{ON}) when operating from a dual $\pm 5V$ supply. R_{ON} is matched between channels to 0.3 Ω max and is flat (0.4 Ω max) over the specified signal range. Each switch can handle Rail-to-Rail® analog signals. Off-leakage current is 0.1nA at +25 $^\circ C$.

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2Ω, Quad, SPST, CMOS Analog Switches

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

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 ($10\Omega_{\max}$) is matched between switches to $1\Omega_{\max}$ and is flat ($1\Omega_{\max}$) over the specified signal range.

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

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 $\pm 4.5V$ to $\pm 20V$.

10Ω, Quad, SPST, CMOS Analog Switches

The MAX4066/MAX4066A quad, SPST, CMOS analog switches are designed to provide superior performance over the industry-standard devices. These new switches feature guaranteed operation from +2.0V to +16V and are fully specified at 3V, 5V, and 12V.

Low-Cost, Low-Voltage, Quad, SPST, CMOS Analog Switches

Analog Devices' portfolio offers single pole multi-throw, single throw (SPST) and single-pole, double throw (SPDT) switches that are ideal for a broad range of applications in military, aerospace, communications, automotive and instrumentation markets. Switches are designed and manufactured in advanced GaAs and

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Silicon (SOI) processes making them

SPST, SPDT, SP3T, SP4T, SP5T, SP6T, SP8T | Analog Devices

The ADG711, ADG712, and ADG713 are monolithic CMOS devices containing four independently selectable switches. These switches are designed on an advanced submicron process that provides low power dissipation yet gives high switching speed, low on resistance, low leakage currents, and high bandwidth.

CMOS Low Voltage, 4 Ω Quad, SPST Switches ADG711/ADG712/ADG713

Description: 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 $\pm 18\text{V}$.

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