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# Low-Voltage, Single-Supply, 10』 SPST CMOS Analog Switches 

General Description<br>The MAX4594-MAX4597 single-pole/single-throw (SPST) analog switches operate from a single +2.0 V to +5.5 V supply. The MAX4594/MAX4596 switches are normally open (NO), and the MAX4595/MAX4597 are normally closed (NC). The MAX4596/MAX4597 pinouts are optimized for the highest SC70 package off-isolation available.<br>These switches have $10 \Omega$ max on-resistance (RON), with $1.5 \Omega$ max RON flatness over the analog signal range when powered from $\mathrm{a}+5 \mathrm{~V}$ supply. The MAX4594-MAX4597 offer low 0.5nA leakage currents and fast switching times less than 40ns. They are packaged in an ultra-small 5-pin SC70 and 6-pin $\mu$ DFN.<br>\section*{Applications}<br>Cellular Phones<br>Battery-Operated Equipment<br>Audio and Video Signal Routing<br>Communications Circuits<br>PCMCIA Cards<br>DSL Modems

Features
Available in 5-Pin SC70 and 6-Pin $\mu \mathrm{DFN}$ Packages
$10 \Omega$ max On-Resistance
Fast max On-Resistance Flatness
toN = 35ns max
tOFF = 40ns max
Guaranteed 5pC max Charge Injection
+2.0V to +5.5V Single-Supply Operation
300MHz -3dB Bandwidth at +25${ }^{\circ} \mathrm{C}$
TTL/CMOS-Logic Compatible
-80dB Off-Isolation at 1MHz
0.5nA max Off-Leakage
0.05\% THD

Ordering Information

Pin Configurations/Functional Diagrams/Truth Table


Pin Configurations/Functional Diagrams/Truth Table continued at end of data sheet.

## Low-Voltage, Single-Supply, $10 \Omega$ SPST CMOS Analog Switches

## ABSOLUTE MAXIMUM RATINGS

(Voltages Referenced to GND)
V+.
Voltage into Any Terminal (Note 1).-... 0.3 V to +6 V Continuous Current into Any Terminal $\qquad$ -0.3 V to (V++0.3V) Peak Current, NO, NC, or COM
(pulsed at $1 \mathrm{~ms}, 10 \%$ duty cycle)................................. $\pm 40 \mathrm{~mA}$

Continuous Power Dissipation $\left(\mathrm{T}_{\mathrm{A}}=+70^{\circ} \mathrm{C}\right)$
5-Pin SC70 (derate $3.1 \mathrm{~mW} /{ }^{\circ} \mathrm{C}$ above $+70^{\circ} \mathrm{C}$ )
247 mW
6-Pin $\mu$ DFN (derate $2.1 \mathrm{~mW} /{ }^{\circ} \mathrm{C}$ above $+70^{\circ} \mathrm{C}$ ) ............ 168 mW
Operating Temperature Range MAX459_EXK .$-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ Storage Temperature Rang $\qquad$ $-65^{\circ} \mathrm{C}$ to $+150^{\circ} \mathrm{C}$ Lead Temperature (soldering, 10s) ................................. $300^{\circ} \mathrm{C}$

Note 1: Voltages exceeding V+ or GND on any signal terminal are clamped by internal diodes. Limit forward-diode current to maximum current rating.

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.

## ELECTRICAL CHARACTERISTICS—+5V Supply

$\left(\mathrm{V}+=+4.5 \mathrm{~V}\right.$ to $+5.5 \mathrm{~V}, \mathrm{~V}_{\mathrm{IH}}=+2.4 \mathrm{~V}, \mathrm{~V}_{\mathrm{IL}}=+0.8 \mathrm{~V}, \mathrm{~T}_{\mathrm{A}}=\mathrm{T}_{\mathrm{MIN}}$ to $\mathrm{T}_{\mathrm{MAX}}$, unless otherwise noted. Typical values are at $\mathrm{V}+=+5 \mathrm{~V}$, $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$.) (Notes 2, 3)

| PARAMETER | SYMBOL | CONDITIONS |  | MIN | TYP | MAX | UNITS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANALOG SWITCH |  |  |  |  |  |  |  |
| Analog Signal Range | $\mathrm{V}_{\mathrm{COM}}, \mathrm{V}_{\mathrm{NO}}$, VNC |  |  | 0 |  | V+ | V |
| On-Resistance | Ron | $\begin{aligned} & \mathrm{V}_{+}=4.5 \mathrm{~V}, \mathrm{~V}_{\mathrm{NO}} \text { or } \\ & \mathrm{V}_{\mathrm{NC}}=3.5 \mathrm{~V} ; \\ & \mathrm{I}_{\mathrm{COM}}=10 \mathrm{~mA} \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 6.5 | 10 | $\Omega$ |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 12 |  |
| On-Resistance Flatness (Note 4) | RFLAt(ON) | $\begin{aligned} & \mathrm{V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}=1.5 \mathrm{~V}, 2.5 \mathrm{~V} \text {, } \\ & 3.5 \mathrm{~V} ; \mathrm{V}_{+}=4.5 \mathrm{~V} ; \\ & \mathrm{ICOM}=10 \mathrm{~mA} \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 0.5 | 1.5 | $\Omega$ |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 2 |  |
| NO or NC Off-Leakage Current | INO(OFF) INC(OFF) | $\begin{aligned} & V_{+}=5.5 \mathrm{~V} ; \\ & V_{C O M}=1 \mathrm{~V}, 4.5 \mathrm{~V} ; \\ & \mathrm{V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}=4.5 \mathrm{~V}, 1 \mathrm{~V} \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ | -0.5 | 0.01 | 0.5 | nA |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ | -5 |  | 5 |  |
| COM Off-Leakage Current | ICOM(OFF) | $\begin{aligned} & \mathrm{V}_{+}=5.5 \mathrm{~V} ; \\ & \mathrm{V}_{\mathrm{COM}}=1 \mathrm{~V}, 4.5 \mathrm{~V} ; \\ & \mathrm{V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}=4.5 \mathrm{~V}, 1 \mathrm{~V} \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ | -0.5 | 0.01 | 0.5 | nA |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ | -5 |  | 5 |  |
| COM On-Leakage Current | ICOM(ON) | $\begin{aligned} & \mathrm{V}+=5.5 \mathrm{~V} ; \mathrm{V}_{\mathrm{COM}}=1 \mathrm{~V} \text {; } \\ & 4.5 \mathrm{~V} ; \mathrm{V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}=1 \mathrm{~V} \text {, } \\ & 4.5 \mathrm{~V} \text {, or floating } \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ | -1 | 0.01 | 1 | nA |
|  |  |  | $\mathrm{T}_{\mathrm{A}}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ | -10 |  | 10 |  |
| DIGITAL I/O |  |  |  |  |  |  |  |
| Input Logic High | VIH |  |  | 2.4 |  |  | V |
| Input Logic Low | VIL |  |  |  |  | 0.8 | V |
| Input Logic Current | IIH, IIL | V IN $=\mathrm{V}+, 0$ |  | -1 | 0.03 | 1 | $\mu \mathrm{A}$ |
| DYNAMIC |  |  |  |  |  |  |  |
| Turn-On Time | ton | $\begin{aligned} & V_{N O} \text { or } V_{N C}=3 V \\ & R_{L}=300 \Omega, C_{L}=35 p F, \\ & \text { Figure } 3 \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 20 | 35 | ns |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 45 |  |
| Turn-Off Time | toff | $\begin{aligned} & \mathrm{V}_{\mathrm{NO}} \text { or } \mathrm{V}_{\mathrm{NC}}=3 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=300 \Omega, \mathrm{CL}=35 \mathrm{pF} \text {, } \\ & \text { Figure } 3 \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 25 | 40 | ns |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 50 |  |
| On-Channel -3dB Bandwidth | BW | Signal $=0 \mathrm{dBm}, 50 \Omega$ in and out, Figure 4 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 300 |  | MHz |

# Low-Voltage, Single-Supply, 10 $\Omega$ SPST CMOS Analog Switches 

## ELECTRICAL CHARACTERISTICS—+5V Supply (continued)

$\left(\mathrm{V}+=+4.5 \mathrm{~V}\right.$ to $+5.5 \mathrm{~V}, \mathrm{~V}_{\mathrm{IH}}=+2.4 \mathrm{~V}, \mathrm{~V}_{\mathrm{IL}}=+0.8 \mathrm{~V}, \mathrm{~T}_{\mathrm{A}}=\mathrm{T}_{\mathrm{MIN}}$ to $\mathrm{T}_{\mathrm{MAX}}$, unless otherwise noted. Typical values are at $\mathrm{V}+=+5 \mathrm{~V}$, $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$.) (Notes 2, 3)

| PARAMETER | SYMBOL | CONDITIONS |  |  | MIN | TYP | MAX | UNITS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Charge Injection (Note 5) | Q | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=0, \mathrm{C}_{\mathrm{L}}=1 \mathrm{nF}$, Figure 2 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  |  | 2 | 5 | pC |
| Off-Isolation <br> (Note 6) | VISO | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=1 \mathrm{~V}_{\mathrm{RMS}}$, <br> $R_{L}=50 \Omega, C_{L}=5 p F$, <br> $\mathrm{f}=1 \mathrm{MHz}$, Figure 4 | $\begin{aligned} & \mathrm{T}_{\mathrm{A}}= \\ & +25^{\circ} \mathrm{C} \end{aligned}$ | $\begin{aligned} & \text { MAX4594/ } \\ & \text { MAX4595 } \end{aligned}$ | 80 |  |  | dB |
|  |  |  |  | $\begin{aligned} & \text { MAX4596/ } \\ & \text { MAX4597 } \end{aligned}$ | 83 |  |  |  |
| NO or NC Off-Capacitance | $\mathrm{C}_{\mathrm{NO}(\mathrm{OFF}),}$ $\mathrm{C}_{\mathrm{NC}(\mathrm{OFF})}$ | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=0, \mathrm{f}=1 \mathrm{MHz}$, Figure 5 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 8 |  |  | pF |
| COM Off-Capacitance | ССом(OFF) | $V_{C O M}=0, f=1 M H z,$ <br> Figure 5 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 8 |  |  | pF |
| COM On-Capacitance | CCOM(ON) | $V_{C O M}=0, f=1 M H z,$ <br> Figure 5 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 20 |  |  | pF |
| Total Harmonic Distortion Plus Noise | THD | $\begin{aligned} & \mathrm{V}=5 \mathrm{Vp}-\mathrm{p}, R_{\mathrm{L}}=600 \Omega, \\ & \mathrm{f}=20 \mathrm{~Hz} \text { to } 20 \mathrm{kHz} \end{aligned}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 0.05 |  |  | \% |
| POWER SUPPLY |  |  |  |  |  |  |  |  |
| Power-Supply Range | V+ |  |  |  | 2.0 |  | 5.5 | V |
| V+ Supply Current | I+ | $\mathrm{V}+=5.5 \mathrm{~V}, \mathrm{~V}_{\text {IN }}=0$ or $\mathrm{V}+$ | $\mathrm{T}_{\mathrm{A}}=\mathrm{T}_{\mathrm{M}}$ | vo TMAX | -1 |  | 1 | $\mu \mathrm{A}$ |

## ELECTRICAL CHARACTERISTICS—+3V Supply

$\left(\mathrm{V}+=+2.7 \mathrm{~V}\right.$ to $+3.6 \mathrm{~V}, \mathrm{~V}_{\mathrm{IH}}=+2.0 \mathrm{~V}, \mathrm{~V}_{\mathrm{IL}}=+0.8 \mathrm{~V}, \mathrm{~T}_{\mathrm{A}}=\mathrm{T}_{\mathrm{MIN}}$ to $\mathrm{T}_{\mathrm{MAX}}$, unless otherwise noted. Typical values are at $\mathrm{V}+=+3.0 \mathrm{~V}$, $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$.) (Notes 2, 3)

| PARAMETER | SYMBOL | CONDITIONS |  | MIN | TYP | MAX | UNITS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ANALOG SWITCH |  |  |  |  |  |  |  |
| Analog Signal Range | $\mathrm{V}_{\mathrm{COM}}, \mathrm{V}_{\mathrm{NO}}$, VNC |  |  | 0 |  | V+ | V |
| On-Resistance | Ron | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=1.5 \mathrm{~V}$, $\mathrm{ICOM}=$ $10 \mathrm{~mA}, \mathrm{~V}+=2.7 \mathrm{~V}$ | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 10 | 20 | $\Omega$ |
|  |  |  | $\mathrm{T}_{\text {A }}=$ TMIN to TMAX |  |  | 25 |  |
| DIGITAL I/O |  |  |  |  |  |  |  |
| Input Logic High | $\mathrm{V}_{\mathrm{IH}}$ |  |  | 2.0 |  |  | V |
| Input Logic Low | VIL |  |  |  |  | 0.8 | V |
| Input Logic Current | IIH, IIL | V IN $=\mathrm{V}+$, 0 |  | -1 | 0.03 | 1 | $\mu \mathrm{A}$ |
| DYNAMIC |  |  |  |  |  |  |  |
| Turn-On Time | ton | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=2 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=$ $300 \Omega, C L=35 p F$, Figure 3 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 25 | 45 | ns |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 55 |  |
| Turn-Off Time | toff | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=2 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=$ $300 \Omega, C_{L}=35 p F$, Figure 3 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 30 | 50 | ns |
|  |  |  | $\mathrm{T}_{\text {A }}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ |  |  | 60 |  |
| Charge Injection (Note 5) | Q | $\mathrm{V}_{\mathrm{NO}}$ or $\mathrm{V}_{\mathrm{NC}}=0, C_{L}=1 \mathrm{nF}$, Figure 2 | $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$ |  | 2 | 4 | pC |

## Low-Voltage, Single-Supply, 10

## ELECTRICAL CHARACTERISTICS—+3V Supply (continued)

$\left(\mathrm{V}+=+2.7 \mathrm{~V}\right.$ to $+3.6 \mathrm{~V}, \mathrm{~V}_{\mathrm{IH}}=+2.0 \mathrm{~V}, \mathrm{~V}_{\mathrm{IL}}=+0.8 \mathrm{~V}, \mathrm{~T}_{\mathrm{A}}=\mathrm{T}_{\mathrm{MIN}}$ to $\mathrm{T}_{\mathrm{MAX}}$, unless otherwise noted. Typical values are at $\mathrm{V}+=+3.0 \mathrm{~V}$, $\mathrm{T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}$.) (Notes 2, 3)

| PARAMETER | SYMBOL | CONDITIONS |  | MIN | TYP | MAX | UNITS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| POWER SUPPLY |  |  |  |  |  |  |  |
| V+ Supply Current | I+ | $\mathrm{V}+=3.6 \mathrm{~V}, \mathrm{~V}$ IN $=0$ or $\mathrm{V}+$ | $\mathrm{T}_{\mathrm{A}}=\mathrm{T}_{\text {MIN }}$ to $\mathrm{T}_{\text {MAX }}$ | -1 |  | 1 | $\mu \mathrm{A}$ |

Note 2: Parameters are $100 \%$ tested at $+25^{\circ} \mathrm{C}$ only, and guaranteed by correlation at the full-rated temperature.
Note 3: Algebraic convention is used in this data sheet; the most negative value is shown in the minimum column.
Note 4: Flatness is defined as the difference between the maximum and minimum values of on-resistance as measured over the specified analog signal ranges.
Note 5: Guaranteed by design.
Note 6: Off-Isolation = $20 \log _{10}\left(\mathrm{~V}_{\mathrm{COM}} / \mathrm{V}_{\mathrm{NO}}\right), \mathrm{V}_{\mathrm{COM}}=$ output, $\mathrm{V}_{\mathrm{NO}}=$ input to off switch.

Typical Operating Characteristics
$\left(\mathrm{V}+=+5 \mathrm{~V}, \mathrm{TA}_{\mathrm{A}}=+25^{\circ} \mathrm{C}\right.$, unless otherwise noted. $)$


# Low-Voltage, Single-Supply, 10 $\Omega$ SPST CMOS Analog Switches 

## Typical Operating Characteristics (continued)

 $\left(\mathrm{V}+=+5 \mathrm{~V}, \mathrm{~T}_{\mathrm{A}}=+25^{\circ} \mathrm{C}\right.$, unless otherwise noted.)

Pin Description

| PIN |  |  |  |  |  |  |  | NAME | FUNCTION |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MAX4594 |  | MAX4595 |  | MAX4596 |  | MAX4597 |  |  |  |
| SC70 | $\mu \mathrm{DFN}$ | SC70 | $\mu \mathrm{DFN}$ | SC70 | $\mu \mathrm{DFN}$ | SC70 | $\mu \mathrm{DFN}$ |  |  |
| 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | COM | Analog Switch, Common |
| 2 | 2 | - | - | 4 | 4 | - | - | NO | Analog Switch, Normally Open |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | GND | Ground |
| 4 | 4 | 4 | 4 | 1 | 1 | 1 | 1 | IN | Digital Control Input |
| 5 | 6 | 5 | 6 | 5 | 6 | 5 | 6 | V+ | Positive Supply Voltage |
| - | - | 2 | 2 | - | - | 4 | 4 | NC | Analog Switch, Normally Closed |
| - | 5 | - | 5 | - | 5 | - | 5 | N.C. | No Connection. Not internally connected. |
| EP | EP | EP | EP | EP | EP | EP | EP | PAD | Exposed Pad. Connect to GND ( $\mu$ DFN only.) |

Note: NO, NC, and COM pins are identical and interchangeable. Any pin may be considered as an input or an output; signals pass equally well in both directions.

# Low-Voltage, Single-Supply, 10 



Figure 1. Overvoltage Protection Using Two External Blocking Diodes

## Power-Supply Sequencing and

 Overvoltage Protection Proper power-supply sequencing is recommended for all CMOS devices. Always apply V+ before applying analog signals or logic inputs, especially if the analog or logic signals are not current limited. If this sequencing is not possible, and if the analog or logic inputs are not current limited to $<20 \mathrm{~mA}$, add a small-signal diode (D1) as shown in Figure 1. If the analog signal can dip below GND, add D2. Adding protection diodes reduces the analog signal range to a diode drop (about 0.7 V ) below V + for D 1 or to a diode drop above ground for D2. The addition of diodes does not affect leakage. On-resistance increases by a small amount at low supply voltages. Maximum supply voltage ( $\mathrm{V}+$ ) must not exceed 6V.Protection diodes D1 and D2 also protect against some overvoltage situations. A fault voltage up to the absolute maximum rating at an analog signal input does not damage the device, even if the supply voltage is below the signal voltage.

Test Circuits/Timing Diagrams


$\Delta V_{\text {OUt }}$ IS THE MEASURED VOLTAGE DUE TO CHARGE TRANSFER ERROR Q WHEN THE CHANNEL TURNS OFF.
$Q=\Delta V_{\text {OUT }} \times C_{L}$

Figure 2. Charge Injection

## Low-Voltage, Single-Supply, 10』 SPST CMOS Analog Switches

## Test Circuits/Timing Diagrams (continued)



Figure 3. Switching Times


## Low-Voltage, Single-Supply, 10 $\Omega$ SPST CMOS Analog Switches



Chip Information
TRANSISTOR COUNT: 50
$\qquad$

## Low-Voltage, Single-Supply, 10』 SPST CMOS Analog Switches

## Package Information

(The package drawing(s) in this data sheet may not reflect the most current specifications. For the latest package outline information, go to www.maxim-ic.com/packages.)


## Low-Voltage, Single-Supply, 10, SPST CMOS Analog Switches

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