

Is Now Part of



## ON Semiconductor ${ }^{\oplus}$

## To learn more about ON Semiconductor, please visit our website at www.onsemi.com

Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore ( $\_$), the underscore ( $\_$) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild questions@onsemi.com.

[^0]
## FSA4157, FSA4157A <br> Low-Voltage, 1 ת SPDT Analog Switch

## Features

- FSA4157A Features Lower $\mathrm{I}_{\mathrm{cc}}$ when the S Input is Lower Than $\mathrm{V}_{\mathrm{Cc}}$
- Maximum $1.15 \Omega$ On Resistance ( $\mathrm{R}_{\mathrm{ON}}$ ) at $4.5 \mathrm{~V} \mathrm{~V}_{\mathrm{CC}}$
- $0.3 \Omega$ Maximum $R_{\text {ON }}$ Flatness at $4.5 \mathrm{~V} \mathrm{~V}_{\mathrm{CC}}$
- Space-Saving 6-lead, MicroPak ${ }^{\text {TM }}$ and SC70 6 Packages
- Broad $\mathrm{V}_{\mathrm{Cc}}$ Operating Range:
- FSA4157: 1.65 V to 5.5 V
- FSA4157A: 2.7 V to 5.5 V
- Fast Turn-On and Turn-Off Time
- Break-Before-Make Enable Circuitry
- Over-Voltage Tolerant TTL-Compatible Control Circuitry


## Description

FSA4157 and FSA4157A are high performance Single Pole/Double Throw (SPDT) analog switches. Both devices feature ultra low $\mathrm{R}_{\mathrm{ON}}$ of $1.15 \Omega$ maximum at $4.5 \mathrm{~V} \mathrm{~V}_{\mathrm{Cc}}$ and operates over the wide $\mathrm{V}_{\mathrm{cc}}$ range of 1.65 V to 5.5 V for FSA 4157 , and 2.7 V to 5.5 V for FSA4157A. The device is fabricated with sub-micron CMOS technology to achieve fast switching speeds and is designed for break-before-make operation. The select input is TTL level compatible.
The FSA4157A features very low quiescent current even when the control voltage is lower than the $\mathrm{V}_{\mathrm{cc}}$ supply. This feature services the mobile handset applications very well allowing for the direct interface with baseband processor general purpose I/Os.

## Ordering Information

| Part Number | Top <br> Mark | Package Description | Packing Method |
| :--- | :---: | :--- | :--- |
| FSA4157P6X | A57 | 6-Lead SC70, EIAJ SC88, 1.25 mm Wide | 3000 Units Tape and Reel |
| FSA4157L6X | EG | 6-Lead MicroPak, ${ }^{\text {TM }} 1.0 \mathrm{~mm}$ Wide | 5000 Units Tape and Reel |
| FSA4157AP6X | B57 | 6-Lead SC70, EIAJ SC88, 1.25 mm Wide | 3000 Units Tape and Reel |
| FSA4157AL6X | EU | 6-Lead MicroPak ${ }^{\text {TM }}, 1.0 \mathrm{~mm}$ Wide | 5000 Units Tape and Reel |

## Pin Configurations



## Pin Definitions

| Pin\# <br> SC70 | Pin\# <br> MicroPak $^{\text {M }}$ | Name | Description |
| :---: | :---: | :---: | :--- |
| 1 | 6 | B1 | Data Ports |
| 2 | 5 | GND | Ground |
| 3 | 4 | B0 | Data Ports |
| 4 | 3 | A | Data Ports |
| 5 | 2 | V $_{\text {CC }}$ | Supply Voltage |
| 6 | 1 | S | Control Input |

## Truth Table

| Control Input (S) | Function |
| :---: | :---: |
| Low | B0 connected to A |
| High | B1 connected to A |

## Absolute Maximum Ratings

Stresses exceeding the absolute maximum ratings may damage the device. The device may not function or be operable above the recommended operating conditions and stressing the parts to these levels is not recommended. In addition, extended exposure to stresses above the recommended operating conditions may affect device reliability. The absolute maximum ratings are stress ratings only.

| Symbol | Parameter |  | Min. | Max. | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{V}_{\mathrm{cc}}$ | Supply Voltage |  | -0.5 | 6.0 | V |
| $\mathrm{V}_{\mathrm{s}}$ | DC Switch Voltage ${ }^{(1)}$ |  | -0.5 | $\mathrm{V}_{\mathrm{CC}}+0.5$ | V |
| $\mathrm{V}_{\text {IN }}$ | DC Input Voltage ${ }^{(1)}$ |  | -0.5 | 6.0 | V |
| $\mathrm{I}_{\text {IK }}$ | DC Input Diode Current |  | -50 |  | mA |
| Isw | Switch Current |  |  | 200 | mA |
| $I_{\text {SWPEAK }}$ | Peak Switch Current (Pulse at 1 ms duration, <10\% Duty Cycle) |  |  | 400 | mA |
| $\mathrm{P}_{\mathrm{D}}$ | Power Dissipation at $85^{\circ} \mathrm{C}$ | SC70 |  | 180 | mW |
|  |  | MicroPak ${ }^{\text {TM }}$ |  |  |  |
| $\mathrm{T}_{\text {STG }}$ | Storage Temperature Range |  | -65 | +150 | ${ }^{\circ} \mathrm{C}$ |
| $\mathrm{T}_{\mathrm{J}}$ | Maximum Junction Temperature |  |  | +150 | ${ }^{\circ} \mathrm{C}$ |
| $\mathrm{T}_{\mathrm{L}}$ | Lead Temperature (Soldering, 10 seconds) |  |  | +260 | ${ }^{\circ} \mathrm{C}$ |
| ESD | Electrostatic Discharge Capability | Human Body Model, JESD22-A114 (FSA4157A) |  | 7500 | V |

## Note:

1. Input and output negative ratings may be exceeded if input and output diode current ratings are observed.

## Recommended Operating Conditions

The Recommended Operating Conditions table defines the conditions for actual device operation. Recommended operating conditions are specified to ensure optimal performance to the datasheet specifications. Fairchild does not recommend exceeding them or designing to Absolute Maximum Ratings.

| Symbol | Parameter |  | Min. | Max. | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{V}_{\mathrm{cc}}$ | Supply Voltage | FSA4157 | 1.65 | 5.50 | V |
|  |  | FSA4157A | 2.7 | 5.5 |  |
| $\mathrm{V}_{\text {CNTRL }}$ | Control Input Voltage ${ }^{(2)}$ |  | 0 | $\mathrm{V}_{\mathrm{Cc}}$ | V |
| $\mathrm{V}_{\text {Sw }}$ | Switch Input Voltage |  | 0 | $\mathrm{V}_{\mathrm{cc}}$ | V |
| $\mathrm{T}_{\text {A }}$ | Operating Temperature |  | -40 | +85 | ${ }^{\circ} \mathrm{C}$ |
| $\theta_{\text {JA }}$ | Thermal Resistance in Still Air | SC70 |  | 350 | C/W |
|  |  | MicroPak ${ }^{\text {TM }}$ (Estimated) |  | 330 |  |

Note:
2. Control input must be held HIGH or LOW and it must not float.

## DC Electrical Characteristics

Typical values are at $25^{\circ} \mathrm{C}$ unless otherwise specified.

| Symbol | Parameter | Conditions | $\mathrm{V}_{\mathrm{cc}}(\mathrm{V})$ | Ambient Temperature |  |  |  |  | Unit |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | -25 ${ }^{\circ}$ |  |  | -40 to $+85^{\circ} \mathrm{C}$ |  |  |
|  |  |  |  | Min. | Typ. | Max. | Min. | Max. |  |
| $\mathrm{V}_{\text {IH }}$ | Input Voltage High | FSA4157 Only | 1.8 to 2.7 |  |  |  | 1.0 |  | V |
|  |  |  | 2.7 to 3.6 |  |  |  | 2.0 |  |  |
|  |  |  | 4.5 to 5.5 |  |  |  | 2.4 |  |  |
| $\mathrm{V}_{\text {IL }}$ | Input Voltage Low | FSA4157 Only | 1.8 to 2.7 |  |  |  |  | 0.4 | V |
|  |  | FSA4157A Only | 2.7 to 3.6 |  |  |  |  | 0.4 |  |
|  |  |  | 2.7 to 3.6 |  |  |  |  | 0.6 |  |
|  |  |  | 4.5 to 5.5 |  |  |  |  | 0.8 |  |
| 1 N | Control Input Leakage | $\mathrm{V}_{\mathrm{IN}}=0 \mathrm{~V}$ to $\mathrm{V}_{\mathrm{CC}}$ | 2.7 to 3.6 |  |  |  | -1.0 | 1.0 | $\mu \mathrm{A}$ |
|  |  |  | 4.5 to 5.5 |  |  |  | -1.0 | 1.0 |  |
| $\mathrm{I}_{\text {NO(OFF) }}$, <br> $\mathrm{I}_{\mathrm{NC}(\mathrm{OFF})}$ | Off Leakage Current of Port B0 and B1 | $\begin{aligned} & \mathrm{A}=1 \mathrm{~V}, 4.5 \mathrm{~V}, \\ & \mathrm{~B}_{0} \text { or } \mathrm{B}_{1}=4.5,1 \mathrm{~V} \end{aligned}$ | 5.5 |  | $\pm 2$ |  | -20 | 20 | nA |
| $\mathrm{I}_{\mathrm{A}(\mathrm{ON})}$ | On Leakage Current of Port A | $\begin{aligned} & \mathrm{A}=1 \mathrm{~V}, 4.5 \mathrm{v}, \mathrm{~B}_{0} \text { or } \\ & \mathrm{B}_{1}=4.5,1 \mathrm{~V}, 4.5 \mathrm{~V} \text { or } \\ & \text { Floating } \end{aligned}$ | 5.5 |  | $\pm 4$ |  | -40 | 40 | nA |
| $\mathrm{R}_{\text {ON }}$ | Switch On Resistance | $\begin{aligned} & \mathrm{I}_{\text {OUT }}=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V} \\ & \hline \end{aligned}$ | 2.7 |  | 2.6 | 4.0 |  | 4.3 | $\Omega$ |
|  |  | $\begin{aligned} & \mathrm{I}_{\text {OUT }}=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0} \text { or } \mathrm{B}_{1}=3.5 \mathrm{~V} \end{aligned}$ | 4.5 |  | 0.95 | 1.15 |  | 1.30 |  |
| $\Delta \mathrm{R}_{\text {ON }}$ | On Resistance Matching Between Channels ${ }^{(4)}$ | $\begin{aligned} & \mathrm{I}_{\text {OUT }}=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V} \end{aligned}$ | 4.5 |  | 0.06 | 0.12 |  | 0.15 | $\Omega$ |
| $\mathrm{R}_{\text {FLAt(ON) }}$ | On Resistance Flatness ${ }^{(4)}$ | $\begin{aligned} & \mathrm{I}_{\text {out }}=100 \mathrm{~mA}, \mathrm{~B}_{0} \text { or } \\ & \mathrm{B}_{\mathrm{I}}=0 \mathrm{~V}, 0.75 \mathrm{~V}, 1.5 \mathrm{~V} \end{aligned}$ | 2.7 |  | 1.4 |  |  |  | $\Omega$ |
|  |  | $\begin{aligned} & l_{\text {out }}=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0} \text { or } \mathrm{B}_{1}=0 \mathrm{~V}, 1 \mathrm{~V}, \\ & 2 \mathrm{~V} \end{aligned}$ | 4.5 |  | 0.2 | 0.3 |  | 0.4 |  |
| $I_{\text {cc }}$ | Quiescent Supply Current | $\begin{aligned} & \mathrm{V}_{\text {IN }}=0 \mathrm{~V} \text { or } \mathrm{V}_{\mathrm{CC}}, \\ & \mathrm{I}_{\text {OUT }}=0 \mathrm{~V} \end{aligned}$ | 3.6 |  | 0.1 | 0.5 |  | 1.0 | $\mu \mathrm{A}$ |
|  |  |  | 5.5 |  | 0.1 | 0.5 |  | 1.0 |  |
| $\Delta l_{\text {cc }}$ | Increase in $\mathrm{I}_{\mathrm{Cc}}$ per Input | One Input at 2.7 V , others at $\mathrm{V}_{\mathrm{CC}}$ or GND (FSA4157A Only) | 4.3 |  | 0.2 |  |  | 10.0 | $\mu \mathrm{A}$ |

## Notes:

3. Measured by the voltage drop between the $A$ and $B$ pins at the indicated current through the switch. On resistance is determined by the lower of the voltage on the two (A or B ports).
4. $\quad \Delta \mathrm{R}_{\mathrm{ON}}=\mathrm{R}_{\mathrm{ON} \max }-\mathrm{R}_{\mathrm{ON} \text { min }}$ measured at identical $\mathrm{V}_{\mathrm{Cc}}$, temperature, and voltage.
5. Flatness is defined as the difference between the maximum and minimum value of on resistance over the specified range of conditions.

## AC Electrical Characteristics

Typical values are at $25^{\circ} \mathrm{C}$ unless otherwise specified.

| Symbol | Parameter | Conditions | $\mathrm{V}_{\mathrm{cc}}(\mathrm{V})$ | Ambient Temperature |  |  |  |  | Unit | Figure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | -25 ${ }^{\circ}$ |  |  | -40 to $+85^{\circ} \mathrm{C}$ |  |  |  |
|  |  |  |  | Min. | Typ. | Max. | Min. | Max. |  |  |
| $\mathrm{t}_{\text {ON }}$ | Turn-On Time | $\begin{aligned} & \hline \mathrm{B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \\ & \text { (FSA4157A Only) } \\ & \hline \end{aligned}$ | 2.7 to 3.6 |  |  | 60 |  | 65 | ns | Figure 8 |
|  |  | $\begin{aligned} & \mathrm{B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 2.7 to 3.6 |  |  | 50 |  | 60 |  |  |
|  |  | $\begin{aligned} & \mathrm{B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 4.5 to 5.5 |  |  | 35 |  | 40 |  |  |
| $\mathrm{t}_{\text {OFF }}$ | Turn-Off Time | $\begin{aligned} & \mathrm{B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \\ & \hline \end{aligned}$ | 2.7 to 3.6 |  |  | 20 |  | 30 | ns | Figure 8 |
|  |  | $\begin{aligned} & \mathrm{B}_{0} \text { or } \mathrm{B}_{1}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 4.5 to 5.5 |  |  | 15 |  | 20 |  |  |
| $\mathrm{t}_{\text {BBM }}$ | Break- <br> Before- <br> Make Time | FSA4157 | 2.7 to 3.6 |  |  |  |  |  | ns | Figure 9 |
|  |  |  | 4.5 to 5.5 |  | 20 |  |  |  |  |  |
|  |  | FSA4157A Only | 4.5 to 5.5 |  | 25 |  |  |  |  |  |
| Q | Charge Injection | $\begin{aligned} & \mathrm{C}_{\mathrm{L}}=1.0 \mathrm{nF}, \\ & \mathrm{~V}_{\mathrm{GE}}=0 \mathrm{~V}, \mathrm{R}_{\mathrm{GEN}}=0 \Omega \end{aligned}$ | 2.7 to 3.6 |  | 10 |  |  |  | pC | Figure 11 |
|  |  |  | 4.5 to 5.5 |  | 20 |  |  |  |  |  |
| OIRR | Off Isolation | $\mathrm{f}=1 \mathrm{MHz}, \mathrm{R}_{\mathrm{L}}=50 \Omega$ | 2.7 to 3.6 |  | -70 |  |  |  | dB | Figure 10 |
|  |  |  | 4.5 to 5.5 |  | -70 |  |  |  |  |  |
| Xtalk | Crosstalk | $\mathrm{f}=1 \mathrm{MHz}, \mathrm{R}_{\mathrm{L}}=50 \Omega$ | 2.7 to 3.6 |  | -70 |  |  |  | dB | Figure 10 |
|  |  |  | 4.5 to 5.5 |  | -70 |  |  |  |  |  |
| BW | -3db <br> Bandwidth | $\mathrm{R}_{\mathrm{L}}=50 \Omega$ | 2.7 to 3.6 |  |  | 300 |  |  | MHz | Figure 13 |
|  |  |  | 4.5 to 5.5 |  |  | 300 |  |  |  |  |
| THD | Total Harmon Distortion | $\begin{aligned} & \mathrm{R}_{\mathrm{L}}=600 \Omega, \mathrm{~V}_{\mathrm{IN}}=0.5, \\ & \mathrm{f}=20 \mathrm{~Hz} \text { to } 20 \mathrm{kHz} \end{aligned}$ | 2.7 to 3.6 |  | 0.002 |  |  |  | \% | Figure 14 |
|  |  |  | 4.5 to 5.5 |  | 0.002 |  |  |  |  |  |

## Capacitance

| Symbol | Parameter | Conditions | $\mathrm{V}_{\mathrm{cc}}(\mathrm{V})$ | Ambient Temperature $-25^{\circ}$ |  |  | Unit | Figure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Min. | Typ. | Max. |  |  |
| $\mathrm{C}_{\text {IN }}$ | Control Pin Input Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 0 |  | 3.5 |  | pF | Figure 12 |
| $\mathrm{C}_{\text {OFF }}$ | B Port Off Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 4.5 |  | 12.0 |  | pF | Figure 12 |
| $\mathrm{C}_{\text {ON }}$ | On Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 4.5 |  | 40.0 |  | pF | Figure 12 |

## Typical Performance Characteristics



Figure 3. Off Isolation, $\mathrm{V}_{\mathrm{cc}}=2.7 \mathrm{~V}$ to 5.5 V


Figure 4. Crosstalk, $\mathrm{V}_{\mathrm{cc}}=2.7 \mathrm{~V}$ to 5.5 V


Figure 5. Bandwidth, $\mathrm{V}_{\mathrm{cc}}=2.7 \mathrm{~V}$ to 5.5 V

## Typical Performance Characteristics (Continued)



Figure 6. $R_{\mathrm{ON}}$ Switch On Resistance, $\mathrm{I}_{\mathrm{ON}}=100 \mathrm{~mA}, \mathrm{~V}_{\mathrm{CC}}=2.7$


Figure 7. $R_{\mathrm{ON}}$ Switch On Resistance, $\mathrm{I}_{\mathrm{ON}}=100 \mathrm{~mA}, \mathrm{~V}_{\mathrm{CC}}=4.5 \mathrm{~V}$

## AC Loadings and Waveforms


$C_{\llcorner }$Includes Fixture and Stray Capacitance


Logic Input Waveforms Inverted for Switches that have the Opposite Logic Sense

Figure 8. Turn On / Off Timing


Figure 9. Break Before Make Timing


Figure 10. Off Isolation and Crosstalk

## AC Loadings and Waveforms (Continued)



Figure 11. Charge Injection


Figure 12. On / Off Capacitance Measurement Setup


Figure 13. Bandwidth


Figure 14. Harmonic Distortion



NOTES:

1. CONFORMS TO JEDEC STANDARD MO-252 VARIATION UAAD
2. DIMENSIONS ARE IN MILLIMETERS

FAIRCHILD
3. DRAWING CONFORMS TO ASME Y14.5M-2009
4. LANDPATTERN RECOMMENDATION PER FSC
5. PIN ONE IDENTIFIER IS 2X LENGTH OF ANY

OTHER LINE IN THE MARK CODE LAYOUT.
6. FILENAME AND REVISION: MAC06AREV6


#### Abstract

ON Semiconductor and ON are trademarks of Semiconductor Components Industries, LLC dba ON Semiconductor or its subsidiaries in the United States and/or other countries. ON Semiconductor owns the rights to a number of patents, trademarks, copyrights, trade secrets, and other intellectual property. A listing of ON Semiconductor's product/patent coverage may be accessed at www.onsemi.com/site/pdf/Patent-Marking.pdf. ON Semiconductor reserves the right to make changes without further notice to any products herein. ON Semiconductor makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does ON Semiconductor assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages. Buyer is responsible for its products and applications using ON Semiconductor products, including compliance with all laws, regulations and safety requirements or standards, regardless of any support or applications information provided by ON Semiconductor. "Typical" parameters which may be provided in ON Semiconductor data sheets and/or specifications can and do vary in different applications and actual performance may vary over time. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. ON Semiconductor does not convey any license under its patent rights nor the rights of others. ON Semiconductor products are not designed, intended, or authorized for use as a critical component in life support systems or any FDA Class 3 medical devices or medical devices with a same or similar classification in a foreign jurisdiction or any devices intended for implantation in the human body. Should Buyer purchase or use ON Semiconductor products for any such unintended or unauthorized application, Buyer shall indemnify and hold ON Semiconductor and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that ON Semiconductor was negligent regarding the design or manufacture of the part. ON Semiconductor is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.


## PUBLICATION ORDERING INFORMATION

## LITERATURE FULFILLMENT:

Literature Distribution Center for ON Semiconductor 19521 E. 32nd Pkwy, Aurora, Colorado 80011 USA Phone: 303-675-2175 or 800-344-3860 Toll Free USA/Canada Fax: 303-675-2176 or 800-344-3867 Toll Free USA/Canada Email: orderlit@onsemi.com
N. American Technical Support: 800-282-9855 Toll Free USA/Canada
Europe, Middle East and Africa Technical Support:
Phone: 421337902910
Japan Customer Focus Center
Phone: 81-3-5817-1050

ON Semiconductor Website: www.onsemi.com
Order Literature: http://www.onsemi.com/orderlit
For additional information, please contact your local Sales Representative

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components
Click to view similar products for Analogue Switch ICs category:
Click to view products by ON Semiconductor manufacturer:
Other Similar products are found below :
FSA3051TMX NLAS4684FCTCG NLAS5223BLMNR2G NLX2G66DMUTCG 425541DB 425528R 099044FB NLAS5123MNR2G PI5A4157CEX NLAS4717EPFCT1G PI5A3167CCEX SLAS3158MNR2G PI5A392AQE PI5A4157ZUEX PI5A3166TAEX FSA634UCX XS3A1T3157GMX TC4066BP(N,F) DG302BDJ-E3 PI5A100QEX HV2605FG-G HV2301FG-G RS2117YUTQK10 RS2118YUTQK10 RS2227XUTQK10 ADG452BRZ-REEL7 MAX4066ESD+ MAX391CPE+ MAX4730EXT+T MAX314CPE+ BU4066BCFV-E2 MAX313CPE+ BU4S66G2-TR NLASB3157MTR2G TS3A4751PWR NLAST4599DFT2G NLAST4599DTT1G DG300BDJ-E3 DG2503DB-T2-GE1 TC4W53FU(TE12L,F) HV2201FG-G 74HC2G66DC. 125 DG3257DN-T1-GE4 ADG619BRMZ-REEL ADG1611BRUZ-REEL7 DG2535EDQ-T1-GE3 LTC201ACN\#PBF 74LV4066DB,118 ISL43410IUZ FSA2275AUMX


[^0]:    
    
    
    
    
    
    
    
    
     is an Equal Opportunity/Affirmative Action Employer. This literature is subject to all applicable copyright laws and is not for resale in any manner.

