

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]
## FSA1156, FSA1157 Low-Ron, Low-Voltage SPST Analog Switch

## Features

- Maximum $0.95 \Omega$ Ron for 4.5 V Supply at $25^{\circ} \mathrm{C}$
- $0.3 \Omega$ Maximum Ron Flatness at 4.5 V Supply
- Broad $\mathrm{V}_{\mathrm{cc}}$ Operating Range: 1.65 V to 5.5 v
- Fast Turn-On and Turn-Off Time
- Over-Voltage Tolerant, TTL-Compatible Control Input
- Available in space-saving 6-lead, MicroPak ${ }^{\text {TM }}$ and SC70 Packages


## Description

The FSA1156 and FSA1157 are high-performance Single-Pole / Single-Throw (SPST) analog switches. The devices feature ultra-low Ron of $0.75 \Omega$ (typical) and operate over a wide $\mathrm{V}_{\mathrm{cc}}$ range of 1.65 V to 5.5 V . The devices are fabricated with sub-micron CMOS technology to achieve fast switching speeds. The select input is TTL-level compatible. The FSA1156 has normally open operation; the FSA1157 has normally closed operation.

## Ordering Information

| Part Number | Top Mark | Package Description | Packing Method |
| :--- | :---: | :--- | :--- |
| FSA1156P6X | 156 | 6-Lead SC70, EIAJ SC88, 1.25 mm Wide | 3000 Units Tape and Reel |
| FSA1156L6X | EH | 6-Lead MicroPak ${ }^{\text {TM }}, 1.0 \mathrm{~mm}$ Wide | 5000 Units Tape and Reel |
| FSA1157P6X | 157 | 6-Lead SC70, EIAJ SC88, 1.25 mm Wide | 3000 Units Tape and Reel |
| FSA1157L6X | EJ | 6-Lead MicroPak ${ }^{\text {TM }}, 1.0 \mathrm{~mm}$ Wide | 5000 Units Tape and Reel |

## Pin Configurations



Figure 1. FSA1156 SC70 Top View (Normally Open)


Figure 3. FSA1157 SC70 Top View (Normally Closed)


Figure 2. FSA1156 MircroPak ${ }^{\text {TM }}$ Top Through View (Normally Open)


Figure 4. FSA1157 MircroPak ${ }^{\text {TM }}$ Top Through View (Normally Closed)

## Pin Definitions

| Pin\# <br> SC70 | Pin\# <br> Micropak | Name |  |
| :---: | :---: | :---: | :--- |
| 1 | 6 | A | Data Ports |
| 2 | 4 | GND | Ground |
| 3 | 5 | B | Data Ports |
| 4 | 3 | S | Control Input |
| 5 | 2 | NC | No Connect |
| 6 | 1 | VCC | Supply Voltage |

## Truth Table

| Control Input (S) | FSA1156 | FSA1157 |
| :---: | :---: | :---: |
| Low | OFF | ON |
| High | ON | OFF |

## 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 |
| $\mathrm{~V}_{\text {SW }}$ | Switch Voltage $^{(1)}$ | -0.5 | $\mathrm{~V}_{\mathrm{CC}}+0.5$ | V |
| $\mathrm{~V}_{\text {IN }}$ | Input Voltage $^{(1)}$ | -0.5 | 6.0 | V |
| $\mathrm{I}_{\mathrm{IK}}$ | Input Diode Current |  | -50 | mA |
| $\mathrm{I}_{\text {SW }}$ | Switch Current |  | 200 | mA |
| $\mathrm{I}_{\text {SWPEAK }}$ | Peak Switch Current (Pulse at 1ms Duration, <10\% Duty Cycle) |  | 400 | mA |
| $\mathrm{P}_{\mathrm{D}}$ | Power Dissipation at 85 ${ }^{\circ} \mathrm{C}$, SC70 Package |  | 180 | mW |
| $\mathrm{~T}_{\text {STG }}$ | 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, <br> JESD22-A114 |  | 8000 |

## 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 | 1.65 | 5.50 | V |
| $\mathrm{~V}_{\mathrm{CNTRL}}$ | Control Input Voltage ${ }^{(2)}$ | 0 | $\mathrm{~V}_{\mathrm{CC}}$ | V |
| $\mathrm{V}_{\mathrm{SW}}$ | Switch Input Voltage | 0 | $\mathrm{~V}_{\mathrm{CC}}$ | V |
| $\mathrm{T}_{\mathrm{A}}$ | Operating Temperature | -40 | +85 | ${ }^{\circ} \mathrm{C}$ |
| $\theta_{\mathrm{JA}}$ | Thermal Resistance in Still Air, SC70 Package |  | 350 | ${ }^{\circ} \mathrm{C} / \mathrm{W}$ |

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 ( $\mathrm{T}_{\mathrm{A}}$ ) |  |  |  |  | Units |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $+25^{\circ} \mathrm{C}$ |  |  | -40 to $+85^{\circ} \mathrm{C}$ |  |  |
|  |  |  |  | Min. | Typ. | Max. | Min. | Max. |  |
| $\mathrm{V}_{\mathrm{IH}}$ | Input Voltage High |  | 2.7 to 3.6 |  |  |  | 2.0 |  | V |
|  |  |  | 4.5 to 5.5 |  |  |  | 2.4 |  |  |
| VIL | Input Voltage Low |  | 2.7 to 3.6 |  |  |  |  | 0.6 | V |
|  |  |  | 4.5 to 5.5 |  |  |  |  | 0.8 |  |
| $\mathrm{I}_{\mathrm{N}}$ | Control Input Leakage | $\mathrm{V}_{\text {IN }}=0 \mathrm{~V}$ to $\mathrm{V}_{\text {cc }}$ | 2.7 to 3.6 |  |  |  | -1.0 | 1.0 | $\mu \mathrm{A}$ |
|  |  |  | 4.5 to 5.5 |  |  |  | -1.0 | 1.0 |  |
| $I_{\text {NO(OFF) }}$, $I_{\text {NC(OFF) }}$ | Off Leakage Current | $\begin{aligned} & A=1 \mathrm{~V}, 4.5 \mathrm{~V}, \\ & B=4.5 \mathrm{~V}, 1 \mathrm{~V} \end{aligned}$ | 5.5 | -2 |  | 2 | 20 | 20 | nA |
| $\mathrm{I}_{\mathrm{A}(\mathrm{ON})}$ | On Leakage Current | $\begin{aligned} & \mathrm{A}=1 \mathrm{~V}, 4.5 \mathrm{~V}, \\ & \mathrm{~B}=1 \mathrm{~V}, 4.5 \mathrm{~V} \text {, or } \\ & \text { Floating } \end{aligned}$ | 5.5 | -4 |  | 4 | -40 | 40 | nA |
| $\mathrm{R}_{\mathrm{ON}}$ | Switch On Resistance ${ }^{(3)}$ | $\begin{aligned} & \text { lout }=100 \mathrm{~mA}, \\ & \mathrm{~B}=1.5 \mathrm{~V} \end{aligned}$ | 2.7 |  | 1.4 | 2.1 |  | 2.5 | $\Omega$ |
|  |  | $\begin{aligned} & \text { lout }=100 \mathrm{~mA}, \\ & \mathrm{~B}=3.5 \mathrm{~V} \end{aligned}$ | 4.5 |  | 0.75 | 0.90 |  | 1.00 |  |
| $\mathrm{R}_{\text {FLAt(on) }}$ | On Resistance Flatness ${ }^{(4)}$ | $\begin{aligned} & \text { lout }=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0}=0 \mathrm{~V}, 0.75 \mathrm{~V}, 1.5 \mathrm{~V} \end{aligned}$ | 2.7 |  | 0.6 |  |  |  | $\Omega$ |
|  |  | $\begin{aligned} & \text { lout }=100 \mathrm{~mA}, \\ & \mathrm{~B}_{0}=0 \mathrm{~V}, 1 \mathrm{~V}, 2 \mathrm{~V} \end{aligned}$ | 4.5 |  | 0.1 | 0.2 |  | 0.3 |  |
| Icc | 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 |  |

## Notes:

3. On resistance is determined by the voltage drop between the $A$ an $B$ pins at the indicated current through the switch.
4. 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 ( $\mathrm{T}_{\mathrm{A}}$ ) |  |  |  |  | Units | Figure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $+25^{\circ} \mathrm{C}$ |  |  | -40 to $+85^{\circ} \mathrm{C}$ |  |  |  |
|  |  |  |  | Min. | Typ. | Max. | Min. | Max. |  |  |
| ton | Turn-On Time | $\begin{aligned} & \mathrm{B}=1.5 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{L}}=50 \Omega, \\ & \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 2.7 to 3.6 |  | 30 | 40 |  | 45 | ns | Figure 7 |
|  |  | $\begin{aligned} & \mathrm{B}=3.0 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=50 \Omega, \\ & \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 4.5 to 5.5 |  | 15 | 20 |  | 25 |  |  |
| toff | Turn-Off Time | $\begin{aligned} & \mathrm{B}=1.5 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=50 \Omega, \\ & \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 2.7 to 3.6 |  | 25 | 35 |  | 45 | ns | Figure 7 |
|  |  | $\begin{aligned} & \mathrm{B}=3.0 \mathrm{~V}, \mathrm{R}_{\mathrm{L}}=50 \Omega, \\ & \mathrm{C}_{\mathrm{L}}=35 \mathrm{pF} \end{aligned}$ | 4.5 to 5.5 |  | 22 | 30 |  | 40 |  |  |
| Q | Charge Injection | $\begin{aligned} & \hline \mathrm{C}_{\mathrm{L}}=1.0 \mathrm{nF}, \\ & \mathrm{~V}_{\mathrm{GE}}=0 \mathrm{~V}, \\ & \mathrm{R}_{\mathrm{GEN}}=0 \Omega \\ & \hline \end{aligned}$ | 2.7 to 3.6 |  | 10 |  |  |  | pC | Figure 8 |
|  |  |  | 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 |  | -65 |  |  |  | dB | Figure 9 |
|  |  |  | 4.5 to 5.5 |  | -65 |  |  |  |  |  |
| BW | -3db <br> Bandwidth | $\mathrm{R}_{\mathrm{L}}=50 \Omega$ | 2.7 to 3.6 |  | 300 |  |  |  | MHz | Figure 10 |
|  |  |  | 4.5 to 5.5 |  | 300 |  |  |  |  |  |
| THD | Total Harmon Distortion | $\begin{aligned} & \mathrm{R}_{\mathrm{L}}=600 \Omega, \\ & \mathrm{~V}_{\text {IN }}=0.5 \mathrm{~V}_{\mathrm{PP}}, \\ & \mathrm{f}=20 \mathrm{~Hz} \text { to } 20 \mathrm{kHz} \end{aligned}$ | 2.7 to 3.6 |  | 0.001 |  |  |  | \% | Figure 11 |
|  |  |  | 4.5 to 5.5 |  | 0.001 |  |  |  |  |  |

## Capacitance

| Symbol | Parameter | Conditions | $\mathrm{V}_{\mathrm{Cc}}$ <br> (V) | Ambient Temperature$+25^{\circ}$ |  |  | Units | Figure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Min. | Typ. | Max. |  |  |
| $\mathrm{C}_{\text {IN }}$ | Control Pin Input Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 0.0 |  | 3 |  | pF | Figure 12 |
| Coff | B Port Off Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 4.5 |  | 20 |  | pF | Figure 12 |
| Con | On Capacitance | $\mathrm{f}=1 \mathrm{MHz}$ | 4.5 |  | 65 |  | pF | Figure 12 |

## Typical Performance Characteristics



Figure 5. On Resistance vs. Input Voltage, Over Supply Voltage, $\mathrm{T}_{\mathrm{A}}=\mathbf{2 5}^{\circ} \mathrm{C}$


Figure 6. On Resistance vs. Input Voltage, Over Temperature

## AC Loadings and Waveforms


$C_{L}$ Includes Fixture and Stray Capacitance


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

Figure 7. Turn On / Off Timing


Figure 8. Charge Injection


Figure 9. Off Isolation

## AC Loadings and Waveforms (Continued)



Figure 10. Bandwidth


Figure 11. Harmonic Distortion


Figure 12. On / Off Capacitance

## Physical Dimensions



Figure 13. 6-Lead, SC70, EIAJ SC88 1.25mm Wide Package

## Tape and Reel Specifications

Please visit Fairchild Semiconductor's online packaging area for the most recent tape and reel specifications:
http://www.fairchildsemi.com/products/analog/pdf/sc70-6 tr.pdf.

| Package Designator | Tape Section | Cavity Number | Cavity Status | Cover Type Status |
| :---: | :---: | :---: | :---: | :---: |
| P6X | Leader (Start End) | 125 (Typical) | Empty | Sealed |
|  | Carrier | 3000 | Filled | Sealed |
|  | Trailer (Hub End) | 75 (Typical) | Empty | Sealed |

Physical Dimensions (Continued)


Figure 14. 6-Lead, Micropak ${ }^{\text {TM }}$ 1.0mm Wide Package

## Tape and Reel Specifications

Please visit Fairchild Semiconductor's online packaging area for the most recent tape and reel specifications: http://www.fairchildsemi.com/products/logic/pdf/micropak tr.pdf.

| Package Designator | Tape Section | Cavity Number | Cavity Status | Cover Type Status |
| :---: | :---: | :---: | :---: | :---: |
| L6X | Leader (Start End) | 125 (Typical) | Empty | Sealed |
|  | Carrier | 5000 | Filled | Sealed |
|  | Trailer (Hub End) | 75 (Typical) | Empty | Sealed |

* Trademarks of System General Corporation, used under license by Fairchild Semiconductor.


## DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION, OR DESIGN. TO OBTAIN THE LATEST, MOST UP-TO-DATE DATASHEET AND PRODUCT INFORMATION, VISIT OUR WEBSITE AT HTTP:IMWW.FAIRCHILDSEMI.COM. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS. THESE SPECIFICATIONS DO NOT EXPAND THE TERMS OF FAIRCHILD'S WORLDWIDE TERMS AND CONDITIONS, SPECIFICALLY THE WARRANTY THEREIN, WHICH COVERS THESE PRODUCTS.

## AUTHORIZED USE

Unless otherwise specified in this data sheet, this product is a standard commercial product and is not intended for use in applications that require extraordinary levels of quality and reliability. This product may not be used in the following applications, unless specifically approved in writing by a Fairchild officer: (1) automotive or other transportation, (2) military/aerospace, (3) any safety critical application - including life critical medical equipment - where the failure of the Fairchild product reasonably would be expected to result in personal injury, death or property damage. Customer's use of this product is subject to agreement of this Authorized Use policy. In the event of an unauthorized use of Fairchild's product, Fairchild accepts no liability in the event of product failure. In other respects, this product shall be subject to Fairchild's Worldwide Terms and Conditions of Sale, unless a separate agreement has been signed by both Parties.

## ANTI-COUNTERFEITING POLICY

Fairchild Semiconductor Corporation's Anti-Counterfeiting Policy. Fairchild's Anti-Counterfeiting Policy is also stated on our extemal website, www.fairchildsemi.com, under Terms of Use
Counterfeiting of semiconductor parts is a growing problem in the industry. All manufacturers of semiconductor products are experiencing counterfeiting of their parts. Customers who inadvertently purchase counterfeit parts experience many problems such as loss of brand reputation, substandard performance, failed applications, and increased cost of production and manufacturing delays. Fairchild is taking strong measures to protect ourselves and our customers from the proliferation of counterfeit parts. Fairchild strongly encourages customers to purchase Fairchild parts either directly from Fairchild or from Authorized Fairchild Distributors who are listed by country on our web page cited above. Products customers buy either from Fairchild directly or from Authorized Fairchild Distributors are genuine parts, have full traceability, meet Fairchild's quality standards for handling and storage and provide access to Fairchild's full range of up-to-date technical and product information. Fairchild and our Authorized Distributors will stand behind all warranties and will appropriately address any warranty issues that may arise. Fairchild will not provide any warranty coverage or other assistance for parts bought from Unauthorized Sources. Fairchild is committed to combat this global problem and encourage our customers to do their part in stopping this practice by buying direct or from authorized distributors.
PRODUCT STATUS DEFINITIONS
Definition of Terms

| Datasheet Identification | Product Status | Definition |
| :---: | :---: | :--- |
| Advance Information | Formative / In Design | Datasheet contains the design specifications for product development. Specifications may change <br> in any manner without notice. |
| Preliminary | First Production | Datasheet contains preliminary data; supplementary data will be published at a later date. Fairchild <br> Semiconductor reserves the right to make changes at any time without notice to improve design. |
| No Identification Needed | Full Production | Datasheet contains final specifications. Fairchild Semiconductor reserves the right to make <br> changes at any time without notice to improve the design. |
| Obsolete | Not In Production | Datasheet contains specifications on a product that is discontinued by Fairchild Semiconductor. <br> The datasheet is for reference information only. |


#### 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) 74HC2G66DC. 125 DG3257DN-T1-GE4 ADG619BRMZ-REEL ADG1611BRUZ-REEL7 DG2535EDQ-T1-GE3 LTC201ACN\#PBF 74LV4066DB,118 ISL43410IUZ FSA2275AUMX DIO1500WL12


[^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.

