

Ultra-Low Resistance Dual SPDT Analog Switch, Multiplexer Switch ICs Dual SPDT 0.5ohm Sw. Low R(on) Ind. Temp

Manufacturers	ON Semiconductor, LLC
Package/Case	Flip-Chip-10
Product Type	Interface ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for NLAS4684FCT1G or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

The NLAS4599 is an advanced high speed CMOS single pole - double throw analog switch fabricated with silicon gate CMOS technology. It achieves high speed propagation delays and low ON resistances while maintaining low power dissipation. This switch controls analog and digital voltages that may vary across the full power-supply range (from VCC to GND). The device has been designed so the ON resistance (RON) is much lower and more linear over input voltage than RON of typical CMOS analog switches. The channel select input is compatible with standard CMOS outputs; with a pull-up resistor, it is compatible with LSTTL outputs. The channel select input structure provides protection when voltages between 0 V and 5.5 V are applied, regardless of the supply voltage. This input structure helps prevent device destruction caused by supply voltage - input/output voltage mismatch, battery backup, hot insertion, etc.

Features

Channel Select Input Over-Voltage Tolerant to 5.5 V

Fast Switching and Propagation Speeds

Break-Before-Make Circuitry

Low Power Dissipation>

Diode Protection Provided on Channel Select Input

Improved Linearity and Lower ON Resistance over Input Voltage

Latchup Performance Exceeds 300 mA

ESD Performance: HBM > 2000 V; MM > 200 V, CDM > 1500 V

Chip Complexity: 38 FETs

Application

ONSEMI

Related Products



[NLAS3899BMNTXG](#)

ON Semiconductor, LLC
QFN-16



[NLAS4053DTR2](#)

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SSOP-16



[NLVASB3157DFT2G](#)

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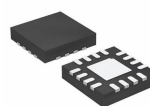
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