

FSA3157B

Low-Voltage SPDT Analog Switch or 2:1 Multiplexer / De-multiplexer Bus Switch

Features


- Useful in Both Analog and Digital Applications
- Ultra-small, MicroPak™ Leadless Package
- Low On Resistance: <math><10\Omega</math> Typical at 3.3V V_{CC}
- Broad V_{CC} Operating Range: 1.65V to 5.5V
- Rail-to-Rail Signal Handling
- Power-Down, High-Impedance Control Input
- Over-Voltage Tolerance of Control Input to 7.0V
- Break-before-Make Enable Circuitry
- 250MHz, 3dB Bandwidth

Description

The FSA3157B is a high-performance, Single-Pole / Double-Throw (SPDT) analog switch or 2:1 multiplexer / de-multiplexer bus switch.

The device is fabricated with advanced sub-micron CMOS technology to achieve high-speed enable and disable times and low on resistance. The break-before-make select circuitry prevents disruption of signals on the B Port due to both switches temporarily being enabled during select pin switching. The device is specified to operate over the 1.65 to 5.5V V_{CC} operating range. The control input tolerates voltages up to 5.5V, independent of the V_{CC} operating range.

Ordering Information

Part Number	Operating Temperature Range	Top Mark	 Eco Status	Package	Packing Method
FSA3157BL6X	-40 to +85°C	7G	Green	6-Lead, MicroPak™ 1.0mm Wide Package	5000 Units on Tape and Reel
FSA3157BFHX	-40 to +85°C	7G	Green	6-Lead, MicroPak2™, 1x1mm Body, .35mm Pitch	5000 Units on Tape and Reel

 For Fairchild's definition of Eco Status, please visit: http://www.fairchildsemi.com/company/green/rohs_green.html.



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Definition of Terms

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