

## Product Overview

### FSA3000: Two-Port, High-Speed, MHL Switch

For complete documentation, see the data sheet.

The FSA3000 is a bi-directional, low-power, two-port, high-speed, USB2.0 and video data switch that supports the Mobile High-Definition Link (MHL) Specification Rev. 1.0. Configured as a double-pole, double-throw (DPDT) switch for data, FSA3000 is optimized for USB2.0 and MHL data sources. The FSA3000 contains circuitry on the switch I/O pins that allows the device to withstand an over-voltage condition in applications where the VCC supply is powered off ( $V_{CC}=0$ ). The FSA3000 minimizes current consumption even when the voltage applied to the control pins is lower than the supply voltage ( $V_{CC}$ ). This feature is especially valuable in mobile applications, such as cell phones, allowing direct interface with the general-purpose I/Os of the baseband processor. Other applications include switching and connector sharing in portable cell phones, digital cameras, and notebook computers.

### Applications

- Media Tablets
- Storage & Peripherals
- Mobile Handsets
- Wireless LAN Card & Broadband Access
- PMP/MP3 Players

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	Number of Switches	Configuration	$I_{CC}$ Max ( $\mu$ A)	$r_{on}$ Max ( $\Omega$ )	$V_{CC}$ Min (V)	$V_{CC}$ Max (V)	Package Type
FSA3000L10X	0.22	Pb-free Halide free non AEC-Q and PPAP	Active	2	2	DPDT	30	6	2.7	4.3	UQFN-10
FSA3000L10X-F131	0.5515	Pb-free Halide free non AEC-Q and PPAP	Active	2	2	DPDT	30	6	2.7	4.3	UQFN-10

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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