

Product Overview

FSA644: 2:1 MIPI D-PHY (1.5Gbps) 4-Data Lane Switch

For complete documentation, see the data sheet.

The FSA644 is a four-data-lane, MIPI, D-PHY switch. This single-pole, double-throw (SPDT) switch is optimized for switching between two high-speed or low-power MIPI sources. The FSA644 is designed for the MIPI specification and allows connection to a CSI or DSI module. The FSA644 features an extremely low on capacitance (CON) of 2.7 pF.

Features

- Switch Type: SPDT (10x)
- Signal Types: MIPI, D-PHY
- VCC: 1.65 to 4.5 V
- Input Signals: 0 to VCC
- RON: 6 Ω Typical HS MIPI
- 8 Ω Typical LP MIPI
- Δ RON: 0.6 Ω Typical HS & LP MIPI
- RON_FLAT: 0.3 Ω Typical
- ICCZ: 0.5 μ A Maximum
- ICC: 32 μ A Maximum

For more features, see the data sheet

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 (μ A)	r_{on} Max (Ω)	V_{CC} Min (V)	V_{CC} Max (V)	Package Type
FSA644BUCX	0.8066	Pb-free Halide free non AEC-Q and PPAP	Active	4	10	SPDT	32	12	1.65	4.5	WLCSP-36
FSA644UCX	0.7294	Pb-free Halide free non AEC-Q and PPAP	Active	4	10	SPDT	32	12	1.65	4.5	WLCSP-36

For more information please contact your local sales support at www.onsemi.com.

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