

Product Overview

FSA646A: 2:1 MIPI D-PHY (4.5Gbps) 4-Data-Lane & C-PHY (3.5Gsps) 3-Data-Lane Switch

For complete documentation, see the data sheet.

The FSA646A can be configured as a four-data-lane MIPI, D-PHY switch or a three-data-lane MIPI, C-PHY switch. This single-pole, double-throw (SPDT) switch is optimized for switching between two high-speed or low-power MIPI sources. The FSA646A is designed for the MIPI specification and allows connection to a CSI or DSI module.

Features

- Switch Type: SPDT(10x)
- Signal Types:
 - MIPI, D-PHY
- VCC: 1.5 to 5.0 V
- Input Signals: 0 to 1.3 V
- RON:
- 6 Ω Typical HS MIPI
- 6 Ω Typical LP MIPI
- Δ RON: 0.1 Ω Typical LP & HS MIPI
- RON_FLAT: 0.9 Ω Typical LP & HS MIPI

For more features, see the data sheet

End Products

Part Electrical Specifications											
Product	Pricing (\$/Unit)	Compliance	Status	Channels	Number of Switches	Configuration	I _{cc} Max (μA)	r _{on} Max (Ω)	V _{CC} Min (V)	V _{CC} Max (V)	Package Type
FSA646AUCX	0.9533	Pb-free Halide free non AEC-Q and PPAP	Active								WLCSP36 2.43x2.43 x0.599

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

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