

## 产品概览

### FSA642S: Low-Power Three-Port, High-Speed MIPI Switch

欲看完整文档，请参阅数据表。

The FSA642S is a bi-directional, low-power, high-speed analog switch. The pin out is designed to ease differential signal layout and is configured as a triple-pole, double-throw switch (TPDT). The FSA642S is optimized for switching between two MIPI devices, such as cameras or LCD displays and on-board Multimedia Application Processors (MAP).

The FSA642S is compatible with the requirements of Mobile Industry Processor Interface (MIPI). The low-capacitance design allows the FSA642S to switch signals that exceed 500 MHz in frequency. Superior channel-to-channel crosstalk immunity minimizes interference and allows the transmission of high-speed differential signals and single-ended signals, as described by the MIPI specification.

### 特性

- Low On Capacitance: 7.0 pF Typical
- Low On Resistance: 7.0  $\Omega$  Typical
- Wide -3db Bandwidth: 1 GHz Typical
- 24-Lead UQFN (2.5 x 3.4 mm) Package
- 8 kV ESD Rating; >16 kV Power/GND ESD Rating

### 终端产品

#### 器件电气规格

产品	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
FSA642SUMX		Pb-free Halide free	Active								UQFN-24

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