



FSA2367 — Low R_{ON} (0.75 Ω) Triple-SPDT, Negative-Swing Audio Source Switch

Features

- 10 μ A Maximum I_{CCT} Current Over Expanded Control Voltage Range ($V_{IN}=2.6V$, $V_{CC}=4.3V$)
- On Capacitance 55pF Typical (C_{ON})
- 0.75 Ω Typical On Resistance (R_{ON})
- Common Ports 1A, 2A, 3A with Negative Swing Audio to -2V
- 3db Bandwidth: > 150 MHz
- Low Power Consumption (1 μ A Maximum)
- Power-Off Feature for 1A/2A/3A Pin ($I_{IN} < 2\mu A$)
- Packaged in Pb-Free 14-Pin TSSOP and DQFN

Applications

- Cell Phone, PDA, Digital Camera, and Notebook
- LCD Monitor, TV, and Set-Top Box

Description

The FSA2367 is a triple Single-Pole Double-Throw (SPDT) switch that multiplexes three sources of data or audio under independent control pins. The FSA2367 has special circuitry on the 1A, 2A, 3A pins that allows a power-off feature. With the V_{CC} supply removed and a voltage on the 1A/2A/3A pins, there is minimal leakage current into the 1A/2A/3A data pins. In addition, the FSA2367 also features very low quiescent current to extend battery life. The low quiescent current allows mobile handset applications direct interface with the baseband processor general-purpose I/Os. Typical applications involve switching in portables and consumer applications such as cell phones, digital cameras, and notebooks with hubs or controllers.

IMPORTANT NOTE:

For additional performance information, please contact analogswitch@fairchildsemi.com.

Ordering Information

Part Number	Top Mark	Pb-Free	Package
FSA2367BQX	2367	Yes	14-Terminal Depopulated very thin Quad Flat-pack No leads (DQFN) 2.5 x 3.0mm, JEDEC MO-241
FSA2367MTCX	FSA2367	Yes	14-Lead Thin Shrink Small Outline Package (TSSOP), 4.4mm Wide, JEDEC MO-153

Analog Symbol

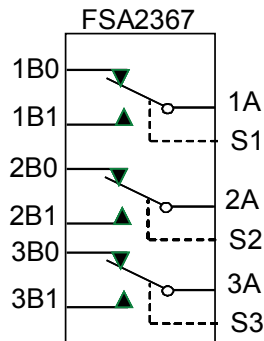



Figure 1. Analog Symbol

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