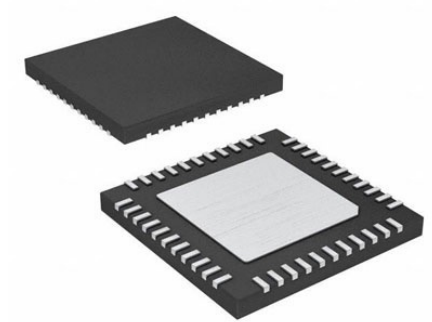


Analog Switch Single DPDT 12-Pin UQFN T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [ON Semiconductor, LLC](#)

Package/Case: UQFN12

Product Type: Switches

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The FSA2275 is a high-performance, Double-Pole Double-Throw (DPDT) analog switch with negative swing audio capability. The FSA2275 features ultra-low audio RON of 0.5Ω (typical) at 2.5 V VCC. The FSA2275 operates over a VCC range of 2.5 V to 5.5 V, is fabricated with sub-micron CMOS technology to achieve fast switching speeds, and is designed for break-before-make operation. To minimize pop and click during operation, the turn on ramp time is selectable using an external capacitor (C_EXT). The FSA2275 features THD+N specifications that target a Hi-Fidelity audio quality into both 32 Ω headphones and line out type loads (>600 Ω).

Key Features

VDD Operating Range: 2.5 to 5.5 V

External Capacitor Connection for Pop and Click noise suppression

Power-Off Protection on Common Ports

RON = 0.5 Ω (Typ.) at 2.5 V VDD

THD+N = -105 dB; 2 VRMS, 20 kΩ Load; f=1 kHz

XTALK = -134 dB at 1 VRMS, 50 Ω Load; f = 1 kHz

Off Isolation = -103 dB at 1 VRMS, 50 Ω Load; f = 1 kHz

12-Lead UMLP 1.8 mm x 1.8 mm

Application

This product is general usage and suitable for many different applications.

Recommended For You

FSA646UCX

ON Semiconductor, LLC

WLCSP36

FSUSB30MUX

ON Semiconductor, LLC

MSOP-10

FSUSB63UMX

ON Semiconductor, LLC

UMLP12

FSA9280AUMX

ON Semiconductor, LLC
UMLP-20

FSA2567UMX

ON Semiconductor, LLC
QFN16

FSAL200MICX

ON Semiconductor, LLC
TSSOP16

FSA3051TMX

ON Semiconductor, LLC
QFN

FSA2257MUX

ON Semiconductor, LLC
MSOP10

FSA644UCX

ON Semiconductor, LLC
WLCSP36

FSUSB20MUX

ON Semiconductor, LLC
MSOP-10

FSUSB31L8X

ON Semiconductor, LLC
QFN

FSA2268UMX

ON Semiconductor, LLC
QFN

FSUSB73UMX

ON Semiconductor, LLC
QFN

FSA2258L10X

ON Semiconductor, LLC
QFN

FSUSB74UMX

ON Semiconductor, LLC
WQFN-16