

IC MUX/DEMUX QUAD 2X1 16QSOP

Manufacturers	Analog Devices, Inc
Package/Case	QSOP-16
Product Type	Analog Switches Multiplexers ; Single Supply 2V to 16V
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADG774BRQZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADG774 is a monolithic CMOS device comprising four 2:1 multiplexer/demultiplexers with high impedance outputs. The CMOS process provides low power dissipation yet gives high switching speed and low on resistance. The on-resistance variation is typically less than 0.5 Ω with an input signal ranging from 0 V to 5 V. The bandwidth of the ADG774 is greater than 200 MHz and this, coupled with low distortion (typically 0.5%), makes the part suitable for switching fast ethernet signals. The on-resistance profile is very flat over the full analog input range ensuring excellent linearity and low distortion when switching audio signals. Fast switching speed, coupled with high signal bandwidth, also makes the parts suitable for video signal switching. CMOS construction ensures ultralow power dissipation making the parts ideally suited for portable and battery powered instruments.

Features

Low Insertion Loss and On Resistance: 2.2 Ω Typical

On-Resistance Flatness $<2 \Omega$

Bandwidth >200 MHz

Single 3 V/5 V Supply Operation

Rail-to-Rail Operation

Very Low Distortion: $<1\%$

Low Quiescent Supply Current (100 nA Typical)

Fast Switching Times t_{ON} 10 ns t_{OFF} 4 ns

TTL/CMOS Compatible

Application

USB 1.1 Signal Switching Circuits

Cell Phones

PDA's

Battery-Powered Systems

Communications Systems

Data Acquisition Systems

Token Ring 4 Mbps/16 Mbps

Audio and Video Switching

Relay Replacement



Related Products



[ADV7181CBSTZ](#)

Analog Devices, Inc
LQFP-64



[AD724JR](#)

Analog Devices, Inc
SOIC-16



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LFSCP-3



[AD8170AR](#)

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QFN32



[ADV7341BSTZ](#)

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LQFP-64



[ADUM4160BRIZ](#)

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SOIC-16