

Fault-Protected, High-Voltage Single 8-to-1/Dual 4-to-1 Multiplexers

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-16
Product Type	Switch ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MAX4508CSE or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MAX4508CSE is a specific part number that refers to a high-voltage, low-on-resistance, quad SPST (Single-Pole, Single-Throw) analog switch manufactured by Maxim Integrated. It is a CMOS (Complementary Metal-Oxide-Semiconductor) switch with a wide operating voltage range and low power consumption, making it suitable for various applications in electronic circuits.

## Features

**Quad SPST switch:** It includes four independent single-pole, single-throw switches.

**High-voltage operation:** MAX4508CSE can operate from a wide supply voltage range of +4.5V to +36V, making it suitable for high-voltage applications.

**Low-on-resistance:** It has low on-resistance of typically 80 ohms, which ensures minimal signal attenuation when the switch is closed.

**Low leakage current:** The switch has low leakage current of typically 1nA, which helps in maintaining signal integrity in low-power and high-impedance circuits.

**Fast switching speed:** It has a fast switching speed with a typical turn-on time of 35ns and a typical turn-off time of 25ns, making it suitable for time-critical applications.

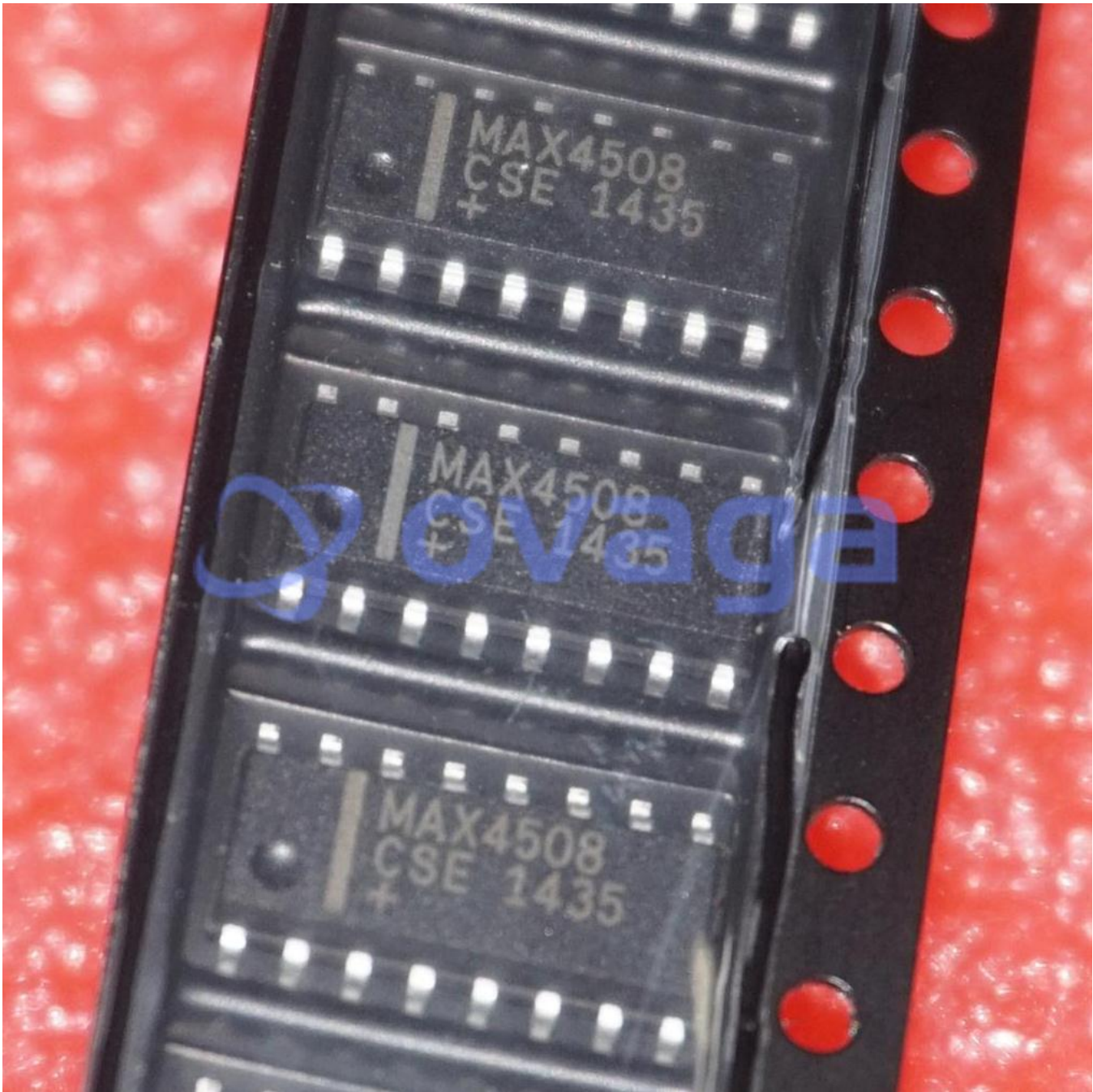
## Application

**Audio and video signal switching:** MAX4508CSE can be used for routing audio and video signals in audio/video systems, such as audio mixers, video switchers, and multimedia systems.

**Industrial and automation systems:** It can be used in industrial and automation systems for relay replacement, sensor interface, and signal routing applications.

**Battery-powered systems:** Due to its low power consumption, it can be used in battery-powered systems where power efficiency is critical, such as portable devices and automotive systems.

**Test and measurement equipment:** It can be used in test and measurement equipment for signal routing and switching applications.



### Related Products



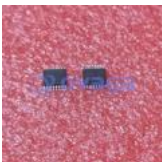
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