

## Precision, High-Side Current-Sense Amplifiers

Manufacturers [Analog Devices, Inc](#)

Package/Case SOP-8

Product Type Amplifier ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for MAX472ESA or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MAX472ESA is a specific integrated circuit (IC) manufactured by Maxim Integrated, which is a company that specializes in designing and producing analog and mixed-signal semiconductor products. The MAX472ESA is a quad, single-pole/double-throw (SPDT) analog switch.

## Features

**Quad SPDT switch:** It has four independent single-pole/double-throw switches, allowing it to connect or disconnect four different signal paths.

**Low ON resistance:** The MAX472ESA has low ON resistance of typically 20 ohms, which ensures minimal signal loss when the switch is closed.

**Wide voltage range:** It can operate with a wide supply voltage range, typically from  $\pm 4.5\text{V}$  to  $\pm 20\text{V}$ , making it suitable for various applications.

**Low power consumption:** The MAX472ESA has low power consumption, typically  $0.35\mu\text{A}$  in the OFF state and  $1.5\text{mA}$  in the ON state.

**Fast switching time:** It has fast switching time of typically 100ns, making it suitable for high-speed signal switching applications.

**ESD protection:** The MAX472ESA has built-in electrostatic discharge (ESD) protection, which helps to protect the IC from damage due to electrostatic discharge events.

## Application

**Audio and video signal routing:** The MAX472ESA can be used in audio and video systems to switch between different audio or video sources, such as in audio amplifiers, home theater systems, or multimedia systems.

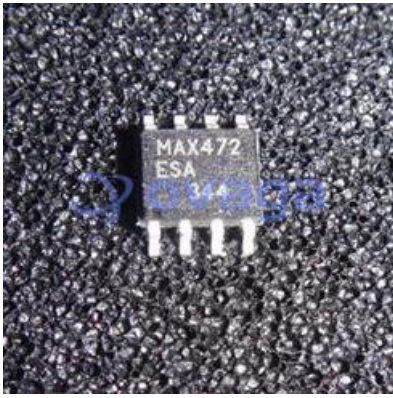
**Communication systems:** It can be used in communication systems to switch between different signal paths, such as in telecommunications equipment or data communication systems.

**Instrumentation and measurement systems:** The MAX472ESA can be used in instrumentation and measurement systems to route signals from different sources to different destinations for measurement or analysis purposes.

**Industrial control systems:** It can be used in industrial control systems to switch between different sensors, actuators, or control signals.

**Test and measurement equipment:** The MAX472ESA can be used in test and measurement equipment, such as oscilloscopes, function generators, or signal analyzers, to switch between different signals or test points.





## Related Products



### [MAX9814ETD](#)

Analog Devices, Inc  
QFN-14



### [MAX3658AETA](#)

Analog Devices, Inc  
TDFN-8



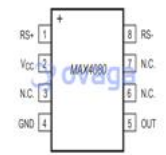
### [MAX4332ESA](#)

Analog Devices, Inc  
SOIC-8



### [MAX478ESA](#)

Analog Devices, Inc  
SOIC-8



### [MAX4080FASA](#)

Analog Devices, Inc  
SOP8



### [MAX430CPA](#)

Analog Devices, Inc  
PDIP-8



### [MAX4291EUK+T](#)

Analog Devices, Inc  
SOT23-5



### [MAX4145ESD](#)

Analog Devices, Inc  
SOP-14