



Image may be representation.
See specifications for product details.



MAX4172ESA+

Manufacturer Part Number	MAX4172ESA+
Manufacturer	Maxim Integrated
Allelco Part Number	32D-MAX4172ESA+
ECAD Model	Request Free CAD Models
Parts Description	IC CURRENT SENSE 1 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	MAX4172.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MAX4172ESA+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX4172ESA+ datasheet/specifications on AllelcoElec.com. Request a quote for MAX4172ESA+, please send us email: info@allelco.com

Specifications

MAX4172ESA+ Tech Specifications

MAX4172ESA+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Output Type	-
Voltage - Supply Span (Min)	3 V	Operating Temperature	-40°C ~ 85°C
Voltage - Supply Span (Max)	32 V	Number of Circuits	1
Voltage - Input Offset	1 mV	Mounting Type	Surface Mount
Supplier Device Package	8-SOIC	Current - Supply	800µA
Slew Rate	-	Current - Input Bias	50 µA
Series	-	Base Product Number	MAX4172
Package / Case	8-SOIC (0.154", 3.90mm Width)	Amplifier Type	Current Sense
Package	Tube	-3db Bandwidth	800 kHz

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX4172ESA+

Product Attribute				
Part Number	MAX4172ESA+	MAX4172EUA-T	MAX4168EUB+	MAX4172ESA+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Amplifier Type	Current Sense	Current Sense	General Purpose	Current Sense
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Input Bias	50 µA	50 µA	50 nA	50 µA
Voltage - Input Offset	1 mV	2 mV	350 µV	1 mV
-3db Bandwidth	800 kHz	800 kHz	-	800 kHz
Current - Supply	800µA	800µA	1.3mA (x2 Channels)	800µA
Supplier Device Package	8-SOIC	8-uMAX/uSOP	10-uMAX/uSOP	8-SOIC
Base Product Number	MAX4172	MAX4172	MAX4168	MAX4172
Voltage - Supply Span (Max)	32 V	32 V	6.5 V	32 V
Output Type	-	-	Rail-to-Rail	-
Series	-	-	-	-
Slew Rate	-	-	2V/µs	-
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Voltage - Supply Span (Min)	3 V	3 V	2.7 V	3 V
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	10-TFSOP, 10-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)
Number of Circuits	1	1	2	1

MAX4172ESA+ Datasheet PDF

Download MAX4172ESA+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX4172ESA+ - Analog Devices Inc./Maxim Integrated.

Datasheets

[MAX4172.pdf](#)

Environmental Information


[Maxim Integrated REACH.pdf](#)


[Maxim Integrated RoHS Cert.pdf](#)


Part Numbering Guide


[Part Numbering System.pdf](#)

Application Notes

 DC Error Budget Calculator Simplifies Selection of.pdf

 Performance of Current-Sense Amplifiers with Input.pdf

 Creating a Bidirectional Current-Sense Amplifier f.pdf

 Derive Simple High-Current Source from Lab Supply.pdf

Customers Also Interested in

Recommended Products



MAX4172EUA-T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8UMAX



MAX4168EUB+

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRC 10UMAX/USOP



MAX4172ESA+T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8SOIC



MAX4173FESA+T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8SOIC



MAX4167ESA+

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRCUIT 8SOIC



MAX4172EUA

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8UMAX



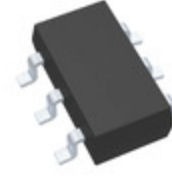
MAX4168EUB+T

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRC 10UMAX/USOP



MAX4173FESA

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8SOIC



MAX4173FEUT+T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT SOT6



MAX4168ESD+T

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRCUIT 14SOIC



MAX4172ESA

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8SOIC



MAX4172EUA+

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8UMAX



MAX4169EPD

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 4 CIRCUIT 14DIP



MAX4168EUB

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRC 10UMAX/USOP



MAX4167ESA+T

Analog Devices Inc./Maxim Integrated
IC OPAMP GP 2 CIRCUIT 8SOIC



MAX4172GUA+T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8UMAX



MAX4171EUB+T

Analog Devices / Maxim Integrated



MAX4172EUA+T

Analog Devices Inc./Maxim Integrated
IC CURRENT SENSE 1 CIRCUIT 8UMAX

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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