



Image may be representation.  
See specifications for product details.



## MAX4042ESA+

Manufacturer Part Number	<b>MAX4042ESA+</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX4042ESA+
ECAD Model	Request Free CAD Models
Parts Description	IC OPAMP GP 2 CIRCUIT 8SOIC
Package	8-SOIC (0.154", 3.90mm Width)
Data sheet	<b>MAX4040-44.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MAX4042ESA+ - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX4042ESA+ datasheet/specifications on AllelcoElec.com. Request a quote for MAX4042ESA+, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX4042ESA+ Tech Specifications

MAX4042ESA+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	-40°C ~ 85°C
Voltage - Supply Span (Min)	2.4 V	Number of Circuits	2
Voltage - Supply Span (Max)	5.5 V	Mounting Type	Surface Mount
Voltage - Input Offset	200 µV	Gain Bandwidth Product	90 kHz
Supplier Device Package	8-SOIC	Current - Supply	14µA (x2 Channels)
Slew Rate	0.04V/µs	Current - Output / Channel	2.5 mA
Series	-	Current - Input Bias	2 nA
Package / Case	8-SOIC (0.154", 3.90mm Width)	Base Product Number	MAX4042
Package	Tube	Amplifier Type	General Purpose
Output Type	Rail-to-Rail		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX4042ESA+

Product Attribute				
Part Number	MAX4042ESA+	MAX4041EUA+T	MAX4040ESA+T	MAX4042EUA+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Number of Circuits	2	1	1	2
Current - Supply	14µA (x2 Channels)	14µA	14µA	14µA (x2 Channels)
Series	-	-	-	-
Current - Output / Channel	2.5 mA	2.5 mA	2.5 mA	2.5 mA
Current - Input Bias	2 nA	2 nA	2 nA	2 nA
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Base Product Number	MAX4042	MAX4041	MAX4040	MAX4042
Gain Bandwidth Product	90 kHz	90 kHz	90 kHz	90 kHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Supplier Device Package	8-SOIC	8-uMAX/uSOP	8-SOIC	8-uMAX/uSOP
Voltage - Input Offset	200 µV	250 µV	200 µV	250 µV
Voltage - Supply Span (Min)	2.4 V	2.4 V	2.4 V	2.4 V
Voltage - Supply Span (Max)	5.5 V	5.5 V	5.5 V	5.5 V
Slew Rate	0.04V/µs	0.04V/µs	0.04V/µs	0.04V/µs
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Amplifier Type	General Purpose	General Purpose	General Purpose	General Purpose

### MAX4042ESA+ Datasheet PDF

Download MAX4042ESA+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX4042ESA+ - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[MAX4040-44.pdf](#)

#### Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

#### Part Numbering Guide

[Part Numbering System.pdf](#)



Rail-to-Rail Outputs and Beyond-the-Rails Inputs:  
.pdf

## Customers Also Interested in

### Recommended Products



#### MAX4051AEEE

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16QSOP



#### MAX4041EUA+T

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT 8UMAX



#### MAX4051AEEE+T

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16QSOP



#### MAX4040ESA+T

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT 8SOIC



#### MAX4042EUA+T

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



#### MAX4051ACEE+T

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16QSOP



#### MAX4051AEEE+

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16QSOP



#### MAX4042ESA

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



#### MAX4042ESA+T

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



#### MAX4040EUK-T

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT SOT23-5



#### MAX4051ACSE

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16SOIC



#### MAX4051ACSE+

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16SOIC



#### MAX4041EUA

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT 8UMAX



#### MAX4040ESA+

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT 8SOIC



#### MAX4041ESA+T

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT 8SOIC



#### MAX4040EUK

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT SOT23-5



#### MAX4040EUK+T

Analog Devices Inc./Maxim Integrated  
IC OPAMP GP 1 CIRCUIT SOT23-5



#### MAX4051ACSE+T

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 100OHM 16SOIC

## 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.



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### Certifications & Memberships



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