

Image may be representation.  
See specifications for product details.



## MAX312CUE

Manufacturer Part Number	<b>MAX312CUE</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX312CUE
ECAD Model	Request Free CAD Models
Parts Description	IC SW SPSTX4 100HM 16TSSOP
Package	16-TSSOP (0.173", 4.40mm Width)
Data sheet	MAX312CUE.pdf

**Get a Quote**

MAX312CUE - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX312CUE datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX312CUE, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX312CUE Tech Specifications  
MAX312CUE - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	On-State Resistance (Max)	100hm
Voltage - Supply, Single (V+)	4.5V ~ 30V	Number of Circuits	4
Voltage - Supply, Dual (V±)	±4.5V ~ 20V	Multiplexer/Demultiplexer Circuit	1:1
Switch Time (Ton, Toff) (Max)	225ns, 185ns	Mounting Type	Surface Mount
Switch Circuit	SPST - Closed	Current - Leakage (IS(off)) (Max)	500pA
Supplier Device Package	16-TSSOP	Crosstalk	-85dB @ 1MHz
Series	-	Charge Injection	20pC
Package / Case	16-TSSOP (0.173", 4.40mm Width)	Channel-to-Channel Matching (ΔRon)	300mOhm
Package	Bulk	Channel Capacitance (CS(off), CD(off))	15pF, 15pF
Operating Temperature	0°C ~ 70°C (TA)	-3db Bandwidth	-

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX312CUE

Product Attribute				
Part Number	MAX312CUE	MAX312EUE+	MAX312FESE+	MAX312EUE+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Switch Time (Ton, Toff) (Max)	225ns, 185ns	225ns, 185ns	225ns, 185ns	225ns, 185ns
Multiplexer/Demultiplexer Circuit	1:1	1:1	1:1	1:1
Package	Bulk	Tube	Tube	Tape & Reel (TR)
Series	-	-	-	-
Number of Circuits	4	4	4	4
Crosstalk	-85dB @ 1MHz	-85dB @ 1MHz	-104dB @ 1MHz	-85dB @ 1MHz
Supplier Device Package	16-TSSOP	16-TSSOP	16-SOIC	16-TSSOP
-3db Bandwidth	-	-	-	-
Switch Circuit	SPST - Closed	SPST - NC	SPST - NC	SPST - NC
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
On-State Resistance (Max)	100hm	100hm	100hm	100hm
Charge Injection	20pC	20pC	70pC	20pC
Voltage - Supply, Dual (V±)	±4.5V ~ 20V	±4.5V ~ 20V	±4.5V ~ 20V	±4.5V ~ 20V
Current - Leakage (IS(off)) (Max)	500pA	500pA	1nA	500pA
Channel Capacitance (CS(off), CD(off))	15pF, 15pF	15pF, 15pF	20pF, 20pF	15pF, 15pF
Channel-to-Channel Matching (ΔRon)	300mOhm	300mOhm	50mOhm	300mOhm
Package / Case	16-TSSOP (0.173", 4.40mm Width)	16-TSSOP (0.173", 4.40mm Width)	16-SOIC (0.154", 3.90mm Width)	16-TSSOP (0.173", 4.40mm Width)
Voltage - Supply, Single (V+)	4.5V ~ 30V	4.5V ~ 30V	9V ~ 36V	4.5V ~ 30V

### Customers Also Interested in

#### Recommended Products



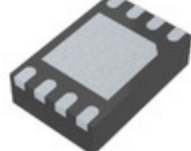
**MAX312EUE+**

Analog Devices Inc./Maxim Integrated  
IC SW SPST-NCX4 100HM 16TSSOP



**MAX312FESE+**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NCX4 100HM 16SOIC



**MAX3120ETA+T**

Analog Devices Inc./Maxim Integrated  
IC TRANSCEIVER FULL 1/1 8TDFN



**MAX312EUE+T**

Analog Devices Inc./Maxim Integrated  
IC SW SPST-NCX4 100HM 16TSSOP



**MAX312CSE+T**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NCX4 100HM 16SOIC



**MAX312EUE**

Analog Devices Inc./Maxim Integrated  
IC SW SPST-NCX4 100HM 16TSSOP

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Analog Devices Inc./Maxim Integrated  
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Analog Devices Inc./Maxim Integrated  
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IC TRANSCEIVER FULL 1/1 8SOIC

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IC SWITCH SPST-NCX4 100HM 16SOIC

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Analog Devices Inc./Maxim Integrated  
IC VIDEO MULTIPLEXER 4X1 16DIP

**MAX312ESE**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NCX4 100HM 16SOIC

**MAX312CUE+T**

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Analog Devices Inc./Maxim Integrated  
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**MAX312CSE+**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NCX4 100HM 16SOIC

**MAX312CPE+**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NCX4 100HM 16DIP

## 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

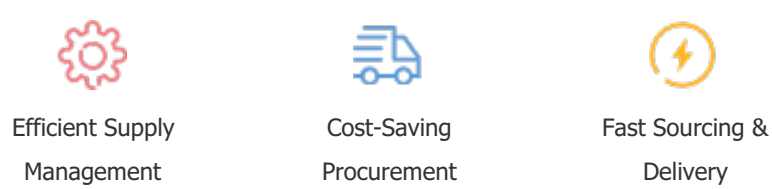
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

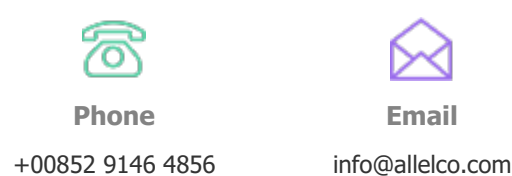
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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