

Image may be representation.  
See specifications for product details.



## MAX4581CSE

Manufacturer Part Number	<b>MAX4581CSE</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX4581CSE
ECAD Model	Request Free CAD Models
Parts Description	IC SWITCH SP8TX1 800HM 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	MAX4581CSE.pdf

**Get a Quote**

MAX4581CSE - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX4581CSE datasheet/specifications on AllelcoElec.com. Request a quote for MAX4581CSE, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX4581CSE Tech Specifications  
MAX4581CSE - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	On-State Resistance (Max)	800hm
Voltage - Supply, Single (V+)	2V ~ 12V	Number of Circuits	1
Voltage - Supply, Dual (V±)	±2V ~ 6V	Multiplexer/Demultiplexer Circuit	8:1
Switch Time (Ton, Toff) (Max)	200ns, 100ns	Mounting Type	Surface Mount
Switch Circuit	SP8T - Open/Closed	Current - Leakage (IS(off)) (Max)	1nA
Supplier Device Package	16-SOIC	Crosstalk	-78dB @ 1MHz
Series	Automotive, AEC-Q100	Charge Injection	0.5pC
Package / Case	16-SOIC (0.154", 3.90mm Width)	Channel-to-Channel Matching (ΔRon)	10hm
Package	Bulk	Channel Capacitance (CS(off), CD(off))	4pF, 18pF
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 MAX4581CSE

Product Attribute				
Part Number	MAX4581CSE	<b>MAX4581EEE+</b>	<b>MAX4581CEE+T</b>	<b>MAX4581EEE</b>
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Series	Automotive, AEC-Q100	-	-	Automotive, AEC-Q100
Channel Capacitance (CS(off), CD(off))	4pF, 18pF	4pF, 18pF	4pF, 18pF	4pF, 18pF
Current - Leakage (IS(off)) (Max)	1nA	1nA	1nA	1nA
Voltage - Supply, Dual (V±)	±2V ~ 6V	±2V ~ 6V	±2V ~ 6V	±2V ~ 6V
Package	Bulk	Tube	Tape & Reel (TR)	Bulk
Switch Circuit	SP8T - Open/Closed	-	-	SP8T - Open/Closed
Supplier Device Package	16-SOIC	16-QSOP	16-QSOP	16-QSOP
On-State Resistance (Max)	800hm	800hm	800hm	800hm
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Circuits	1	1	1	1
Crosstalk	-78dB @ 1MHz	-78dB @ 1MHz	-78dB @ 1MHz	-78dB @ 1MHz
Voltage - Supply, Single (V+)	2V ~ 12V	2V ~ 12V	2V ~ 12V	2V ~ 12V
Channel-to-Channel Matching (ΔRon)	10hm	10hm	10hm	10hm
Charge Injection	0.5pC	0.5pC	0.5pC	0.5pC
Switch Time (Ton, Toff) (Max)	200ns, 100ns	200ns, 100ns	200ns, 100ns	200ns, 100ns
-3db Bandwidth	-	-	-	-
Package / Case	16-SOIC (0.154", 3.90mm Width)	16-SSOP (0.154", 3.90mm Width)	16-SSOP (0.154", 3.90mm Width)	16-SSOP (0.154", 3.90mm Width)
Multiplexer/Demultiplexer Circuit	8:1	8:1	8:1	8:1

### Customers Also Interested in

#### Recommended Products



**MAX457EPA+**

Analog Devices Inc./Maxim Integrated  
IC AMP GENERAL PURPOSE 8DIP



**MAX4581EEE+**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16QSOP



**MAX4581CEE+T**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16QSOP



**MAX4581EEE**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SP8TX1 800HM 16QSOP



**MAX4575EUA+T**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SPST-NOX2 700HM 8UMAX



**MAX4581EPE**

Analog Devices Inc./Maxim Integrated  
IC SWITCH SP8TX1 800HM 16DIP

**MAX4574CEI+T**

Analog Devices Inc./Maxim Integrated  
IC AUDIO/VIDEO SWITCH 28QSOP

**MAX457CSA**

Analog Devices Inc./Maxim Integrated  
IC AMP GENERAL PURPOSE 8SOIC

**MAX457CSA+**

Analog Devices Inc./Maxim Integrated  
IC AMP GENERAL PURPOSE 8SOIC

**MAX4581ASE+T**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16SOIC

**MAX4581CSE+T**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16SOIC

**MAX4572CEI+T**

Analog Devices Inc./Maxim Integrated  
IC AUDIO/VIDEO SWITCH 28QSOP

**MAX457CPA**

Analog Devices Inc./Maxim Integrated  
IC AMP GENERAL PURPOSE 8DIP

**MAX4581EEE+T**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16QSOP

**MAX4581CUE**

Analog Devices Inc./Maxim Integrated  
LOW-VOLTAGE ANALOG MUX/SWITCH

**MAX4581CUE+T**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16TSSOP

**MAX4581CUE+**

Analog Devices Inc./Maxim Integrated  
IC MUX 8:1 800HM 16TSSOP

## 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

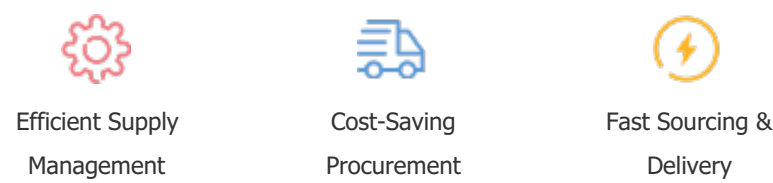
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

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