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See specifications for product details.



MAX4581ESE+

Manufacturer Part Number	MAX4581ESE+
Manufacturer	Maxim Integrated
Allelco Part Number	32D-MAX4581ESE+
ECAD Model	Request Free CAD Models
Parts Description	IC MUX 8:1 80OHM 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	MAX4581-83.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MAX4581ESE+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX4581ESE+ datasheet/specifications on AllelcoElec.com. Request a quote for MAX4581ESE+, please send us email: info@allelco.com

Specifications

MAX4581ESE+ Tech Specifications

MAX4581ESE+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Number of Circuits	1
Voltage - Supply, Single (V+)	2V ~ 12V	Multiplexer/Demultiplexer Circuit	8:1
Voltage - Supply, Dual (V±)	±2V ~ 6V	Mounting Type	Surface Mount
Switch Time (Ton, Toff) (Max)	200ns, 100ns	Current - Leakage (IS(off)) (Max)	1nA
Switch Circuit	-	Crosstalk	-78dB @ 1MHz
Supplier Device Package	16-SOIC	Charge Injection	0.5pC
Series	-	Channel-to-Channel Matching (ΔRon)	10hm
Package / Case	16-SOIC (0.154", 3.90mm Width)	Channel Capacitance (CS(off), CD(off))	4pF, 18pF
Package	Tube	Base Product Number	MAX4581
Operating Temperature	-40°C ~ 85°C (TA)	-3db Bandwidth	-
On-State Resistance (Max)	80Ohm		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX4581ESE+

Product Attribute				
Part Number	MAX4581ESE+	MAX4581ESE	MAX4581EEE+	MAX4581ESE+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Channel-to-Channel Matching (ΔRon)	10hm	10hm	10hm	10hm
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Switch Circuit	-	SP8T - Open/Closed	-	-
Package / Case	16-SOIC (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)	16-SSOP (0.154", 3.90mm Width)	16-SOIC (0.154", 3.90mm Width)
Crosstalk	-78dB @ 1MHz	-78dB @ 1MHz	-78dB @ 1MHz	-78dB @ 1MHz
Charge Injection	0.5pC	0.5pC	0.5pC	0.5pC
Voltage - Supply, Single (V+)	2V ~ 12V	2V ~ 12V	2V ~ 12V	2V ~ 12V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tube	Bulk	Tube	Tape & Reel (TR)
Supplier Device Package	16-SOIC	16-SOIC	16-QSOP	16-SOIC
Base Product Number	MAX4581	-	MAX4581	MAX4581
Multiplexer/Demultiplexer Circuit	8:1	8:1	8:1	8:1
Voltage - Supply, Dual (V±)	±2V ~ 6V	±2V ~ 6V	±2V ~ 6V	±2V ~ 6V
-3db Bandwidth	-	-	-	-
Series	-	Automotive, AEC-Q100	-	-
On-State Resistance (Max)	80Ohm	80Ohm	80Ohm	80Ohm
Channel Capacitance (CS(off), CD(off))	4pF, 18pF	4pF, 18pF	4pF, 18pF	4pF, 18pF
Number of Circuits	1	1	1	1
Current - Leakage (IS(off)) (Max)	1nA	1nA	1nA	1nA
Switch Time (Ton, Toff) (Max)	200ns, 100ns	200ns, 100ns	200ns, 100ns	200ns, 100ns

MAX4581ESE+ Datasheet PDF

Download MAX4581ESE+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX4581ESE+ - Analog Devices Inc./Maxim Integrated.

Datasheets


[MAX4581-83.pdf](#)

Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

Part Numbering Guide



















 Part Numbering System.pdf

Application Notes

 Selecting the Right CMOS Analog Switch.pdf

Customers Also Interested in

Recommended Products

 MAX4581CUE Analog Devices Inc./Maxim Integrated LOW-VOLTAGE ANALOG MUX/SWITCH	 MAX4581ESE Analog Devices Inc./Maxim Integrated IC SWITCH SP8TX1 800HM 16SOIC	 MAX4581EEE+ Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16QSOP	 MAX4581ESE+T Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16SOIC	 MAX4582AUE+ Analog Devices Inc./Maxim Integrated IC SWITCH SP4T X 2 800HM 16TSSOP	 MAX4581EUE+T Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16TSSOP
 MAX4582CEE Analog Devices Inc./Maxim Integrated IC SWITCH SP4T X 2 800HM 16QSOP	 MAX4581EUE Analog Devices Inc./Maxim Integrated IC SWITCH SP8TX1 800HM 16TSSOP	 MAX4581LEEE Analog Devices Inc./Maxim Integrated IC SWITCH SP8TX1 800HM 16QSOP	 MAX4581EEE+T Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16QSOP	 MAX4581CUE+ Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16TSSOP	 MAX4581EPE Analog Devices Inc./Maxim Integrated IC SWITCH SP8TX1 800HM 16DIP
 MAX4581EEE Analog Devices Inc./Maxim Integrated IC SWITCH SP8TX1 800HM 16QSOP	 MAX4581LESE+T Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16SOIC	 MAX4581CSE-TG068 Analog Devices / Maxim Integrated	 MAX4581LEEE+T Analog Devices Inc./Maxim Integrated IC MUX 8:1 800HM 16QSOP	 MAX4582AUE Analog Devices Inc./Maxim Integrated IC SWITCH SP4T X 2 800HM 16TSSOP	 MAX4581CUE+T 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 -

 Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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+00852 9146 4856
 Email
info@allelco.com

Certifications & Memberships



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