



Image may be representation.  
See specifications for product details.



## MAX5541CSA

Manufacturer Part Number	<b>MAX5541CSA</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX5541CSA
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 16BIT V-OUT 8SOIC
Package	8-SOIC (0.154', 3.90mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>

**Get a Quote**

MAX5541CSA - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX5541CSA datasheet/specifications on AllelcoElec.com. Request a quote for MAX5541CSA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX5541CSA Tech Specifications  
MAX5541CSA - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	0°C ~ 70°C
Voltage - Supply, Digital	5V	Number of D/A Converters	1
Voltage - Supply, Analog	5V	Number of Bits	16
Supplier Device Package	8-SOIC	Mounting Type	Surface Mount
Settling Time	1µs (Typ)	INL/DNL (LSB)	±4, ±0.5
Series	-	Differential Output	No
Reference Type	External	Data Interface	SPI
Package / Case	8-SOIC (0.154', 3.90mm Width)	Base Product Number	MAX5541
Package	Tube	Architecture	R-2R
Output Type	Voltage - Unbuffered		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX5541CSA

Product Attribute				
Part Number	MAX5541CSA	MAX5533EUA+T	MAX5550ETE+T	MAX5544ESA+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	0°C ~ 70°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Architecture	R-2R	R-2R	Current Steering	R-2R
INL/DNL (LSB)	±4, ±0.5	±4, ±0.2	±2, ±1 (Max)	±4, ±0.5
Number of Bits	16	12	10	14
Supplier Device Package	8-SOIC	8-uMAX/uSOP	16-TQFN (3x3)	8-SOIC
Data Interface	SPI	SPI	I <sup>2</sup> C, SPI	SPI
Number of D/A Converters	1	2	2	1
Reference Type	External	Internal	External, Internal	External
Series	-	-	-	-
Settling Time	1µs (Typ)	660µs (Typ)	30µs (Typ)	1µs (Typ)
Differential Output	No	No	No	No
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-TSSOP, 8-MSOP (0.118', 3.00mm Width)	16-WFQFN Exposed Pad	8-SOIC (0.154', 3.90mm Width)
Base Product Number	MAX5541	MAX5533	MAX5550	MAX5544
Voltage - Supply, Digital	5V	1.8V ~ 5.5V	2.7V ~ 5.25V	5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply, Analog	5V	1.8V ~ 5.5V	2.7V ~ 5.25V	5V
Output Type	Voltage - Unbuffered	Voltage - Buffered	Current - Buffered	Voltage - Unbuffered

### MAX5541CSA Datasheet PDF

Download MAX5541CSA pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX5541CSA - Analog Devices Inc./Maxim Integrated.

#### Datasheets

Cylindrical Battery Holders.pdf

#### Environmental Information

Maxim Integrated REACH.pdf

Maxim Integrated RoHS Cert.pdf

#### Part Numbering Guide

Part Numbering System.pdf

## Other Related Documents

 Cylindrical Battery Holders.pdf

## Application Notes

 Damage from a Lightning Bolt or a Spark.pdf

 How Signal Chains and PLCs Impact Our Lives.pdf

## Customers Also Interested in

### Recommended Products



#### MAX5533EUA+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 8UMAX



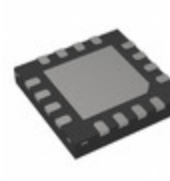
#### MAX5527GUA+

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 100KOHM 64TAP 8UMAX



#### MAX5529GUA+T

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 10KOHM 64TAP 8UMAX



#### MAX5550ETE+T

Analog Devices Inc./Maxim Integrated  
IC DAC 10BIT A-OUT 16TQFN



#### MAX5556ESA+T

Analog Devices Inc./Maxim Integrated  
IC DAC/AUDIO 16BIT 50K 8SOIC



#### MAX5529GUA

Analog Devices / Maxim Integrated



#### MAX5544ESA+T

Analog Devices Inc./Maxim Integrated  
IC DAC 14BIT V-OUT 8SOIC



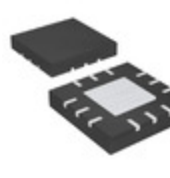
#### MAX5528GUA+

Analog Devices Inc./Maxim Integrated  
IC POT DGTL 1TIME PROGR 8-UMAX



#### MAX5532EUA+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 8UMAX



#### MAX5531ETC+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 12TQFN



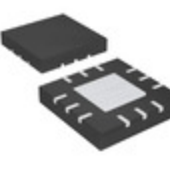
#### MAX5529GUA+

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 10KOHM 64TAP 8UMAX



#### MAX5580BEUP+

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 20TSSOP



#### MAX5535ETC+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 12TQFN



#### MAX5580BEUP+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT 20TSSOP



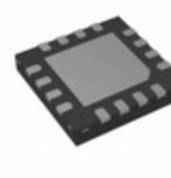
#### MAX552AEUB+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT A-OUT 10UMAX



#### MAX5541ESA+T

Analog Devices Inc./Maxim Integrated  
IC DAC 16BIT V-OUT 8SOIC



#### MAX5550ETE+

Analog Devices Inc./Maxim Integrated  
IC DAC 10BIT A-OUT 16TQFN



#### MAX5541ESA

Analog Devices Inc./Maxim Integrated  
IC DAC 16BIT V-OUT 8SOIC

## 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

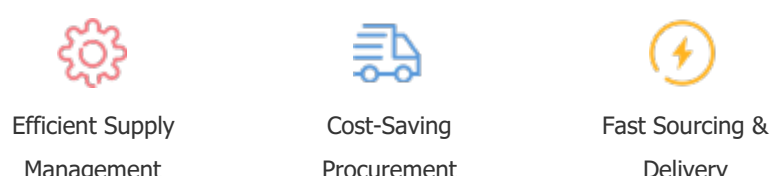
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

### 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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