



Image may be representation.  
See specifications for product details.



## MAX541CCSA

Manufacturer Part Number	<b>MAX541CCSA</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX541CCSA
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>MAX541-42.pdf</b>

**Get a Quote**

MAX541CCSA - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX541CCSA datasheet/specifications on AllelcoElec.com. Request a quote for MAX541CCSA, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX541CCSA Tech Specifications  
MAX541CCSA - 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)	±0.5, ±0.5
Series	-	Differential Output	No
Reference Type	External	Data Interface	SPI
Package / Case	8-SOIC (0.154', 3.90mm Width)	Base Product Number	MAX541
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 MAX541CCSA

Product Attribute				
Part Number	MAX541CCSA	MAX541BCPA+	MAX541CCSA+T	MAX541ACSA+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Package / Case	8-SOIC (0.154', 3.90mm Width)	8-DIP (0.300', 7.62mm)	8-SOIC (0.154', 3.90mm Width)	8-SOIC (0.154', 3.90mm Width)
Settling Time	1µs (Typ)	1µs (Typ)	1µs (Typ)	1µs (Typ)
Output Type	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Reference Type	External	External	External	External
Architecture	R-2R	R-2R	R-2R	R-2R
Differential Output	No	No	No	No
Voltage - Supply, Analog	5V	5V	5V	5V
INL/DNL (LSB)	±0.5, ±0.5	±0.5, ±0.5	±0.5, ±0.5	±0.5, ±0.5
Data Interface	SPI	SPI	SPI	SPI
Base Product Number	MAX541	MAX541	MAX541	MAX541
Voltage - Supply, Digital	5V	5V	5V	5V
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Series	-	-	-	-
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C
Supplier Device Package	8-SOIC	8-PDIP	8-SOIC	8-SOIC
Number of D/A Converters	1	1	1	1
Number of Bits	16	16	16	16

### MAX541CCSA Datasheet PDF

Download MAX541CCSA pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX541CCSA - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[MAX541-42.pdf](#)

#### Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)


[Red Phosphorous Certificate.pdf](#)

#### Part Numbering Guide


[Part Numbering System.pdf](#)

 Cylindrical Battery Holders.pdf

Application Notes

 Damage from a Lightning Bolt or a Spark.pdf

 How Signal Chains and PLCs Impact Our Lives.pdf

 Bench Characterization of ADCs Using a Low-Cost PC.pdf

 DAC and Op Amp Generate Variable Negative Control .pdf

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**Recommended Products**



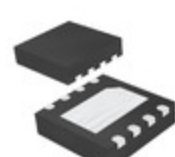
**MAX5424ETA**

Analog Devices Inc./Maxim Integrated  
256-TAP, NVM, SPI, DIGIPOT



**MAX5426BEUD+**

Analog Devices Inc./Maxim Integrated  
IC RESISTOR NETWORK 14TSSOP



**MAX5427ETA+T**

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 100KOHM 32TAP 8TDFN



**MAX541BCPA+**

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



**MAX541CCSA+T**

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



**MAX5427EUA+T**

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 100KOHM 32TAP 8UMAX



**MAX541ACSA+T**

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



**MAX541BESA+**

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



**MAX541AEP**

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



**MAX541BESA**

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



**MAX541AESA+T**

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



**MAX541BCSA**

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



**MAX541AESA**

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



**MAX5422ETA+T**

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 50KOHM 256TAP 8TDFN



**MAX5424ETA+T**

Analog Devices Inc./Maxim Integrated  
IC DGTL POT 200KOHM 256TAP 8TDFN



**MAX541CESA**

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



**MAX541AESA+**

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



**MAX541ACSA**

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 -**

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

**Contact us if you have any questions.**

-  Phone  
+00852 9146 4856
-  Email  
info@allelco.com

**Certifications & Memberships**



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