

Image may be representation.  
See specifications for product details.



## MAX542ACSD

Manufacturer Part Number	<b>MAX542ACSD</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX542ACSD
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 16BIT V-OUT 14SOIC
Package	14-SOIC (0.154", 3.90mm Width)
Data sheet	<b>MAX541-42.pdf</b>

**Get a Quote**

MAX542ACSD - Analog Devices Inc./Maxim Integrated. New Original in Stock. Download Linear Technology MAX542ACSD datasheet/specifications on AllelcoElec.com. Request a quote for MAX542ACSD, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MAX542ACSD Tech Specifications  
MAX542ACSD - 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	14-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	14-SOIC (0.154", 3.90mm Width)	Base Product Number	MAX542
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 MAX542ACSD

Product Attribute				
Part Number	MAX542ACSD	MAX542BCSD+	MAX542AESD+T	MAX542BESD+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
INL/DNL (LSB)	±0.5, ±0.5	±0.5, ±0.5	±0.5, ±0.5	±0.5, ±0.5
Supplier Device Package	14-SOIC	14-SOIC	14-SOIC	14-SOIC
Differential Output	No	No	No	No
Voltage - Supply, Digital	5V	5V	5V	5V
Package	Tube	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Operating Temperature	0°C ~ 70°C	0°C ~ 70°C	-40°C ~ 85°C	-40°C ~ 85°C
Number of D/A Converters	1	1	1	1
Package / Case	14-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)	14-SOIC (0.154", 3.90mm Width)
Number of Bits	16	16	16	16
Reference Type	External	External	External	External
Base Product Number	MAX542	MAX542	MAX542	MAX542
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply, Analog	5V	5V	5V	5V
Output Type	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered	Voltage - Unbuffered
Series	-	-	-	-
Data Interface	SPI	SPI	SPI	SPI
Settling Time	1µs (Typ)	1µs (Typ)	1µs (Typ)	1µs (Typ)
Architecture	R-2R	R-2R	R-2R	R-2R

### MAX542ACSD Datasheet PDF

Download MAX542ACSD pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX542ACSD - Analog Devices Inc./Maxim Integrated.

#### Datasheets

[MAX541-42.pdf](#)


#### Environmental Information

[Maxim Integrated REACH.pdf](#)


[Maxim Integrated RoHS Cert.pdf](#)


#### Part Numbering Guide

[Part Numbering System.pdf](#)

 EOL 15/Jan/2016.pdf

### Application Notes

 How Signal Chains and PLCs Impact Our Lives.pdf









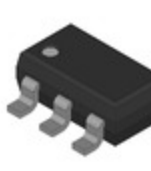


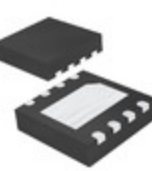






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### Customers Also Interested in

#### Recommended Products

					
<b>MAX5430BEKA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 57KOHM 4TAP SOT23-8	<b>MAX5430AEKA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 57KOHM 4TAP SOT23-8	<b>MAX542BCSD+</b> Analog Devices Inc./Maxim Integrated IC DAC 16BIT V-OUT 14SOIC	<b>MAX542AESD+T</b> Analog Devices Inc./Maxim Integrated IC DAC 16BIT V-OUT 14SOIC	<b>MAX5427ETA-T</b> Analog Devices / Maxim Integrated	<b>MAX5431AEUB+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 57KOHM 4TAP 10UMAX
					
<b>MAX5429EUA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 10KOHM 32TAP 8UMAX	<b>MAX5422ETA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 50KOHM 256TAP 8TDFN	<b>MAX5424ETA</b> Analog Devices Inc./Maxim Integrated 256-TAP, NVM, SPI, DIGIPOT	<b>MAX542BESD+T</b> Analog Devices Inc./Maxim Integrated IC DAC 16BIT V-OUT 14SOIC	<b>MAX542AESD+</b> Analog Devices Inc./Maxim Integrated IC DAC 16BIT V-OUT 14SOIC	<b>MAX5427ETA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 10KOHM 32TAP 8TDFN
					
<b>MAX5428EUA</b> Analog Devices / Maxim Integrated	<b>MAX5424ETA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 200KOHM 256TAP 8TDFN	<b>MAX5427EUA+T</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 100KOHM 32TAP 8UMAX	<b>MAX5426BEUD+</b> Analog Devices Inc./Maxim Integrated IC RESISTOR NETWORK 14TSSOP	<b>MAX542BCSD+T</b> Analog Devices Inc./Maxim Integrated IC DAC 16BIT V-OUT 14SOIC	<b>MAX5429EUA+</b> Analog Devices Inc./Maxim Integrated IC DGTL POT 10KOHM 32TAP 8UMAX

### 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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#### 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

