

Image may be representation.  
See specifications for product details.



## MAX5816ATB+T

Manufacturer Part Number	<b>MAX5816ATB+T</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-MAX5816ATB+T
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 12BIT V-OUT 10TDFN
Package	10-WFDFN Exposed Pad
Data sheet	<b>MAX5816.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MAX5816ATB+T - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology MAX5816ATB+T datasheet/specifications on AllelcoElec.com.  
Request a quote for MAX5816ATB+T, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

MAX5816ATB+T Tech Specifications

MAX5816ATB+T - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Operating Temperature	-40°C ~ 125°C
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of D/A Converters	4
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of Bits	12
Supplier Device Package	10-TDFN (3x3)	Mounting Type	Surface Mount
Settling Time	4.5µs (Typ)	INL/DNL (LSB)	±0.5, ±0.2
Series	-	Differential Output	No
Reference Type	External, Internal	Data Interface	2-Wire Serial, I <sup>2</sup> C
Package / Case	10-WFDFN Exposed Pad	Base Product Number	MAX581
Package	Tape & Reel (TR)	Architecture	R-2R
Output Type	Voltage - Buffered		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated MAX5816ATB+T

Product Attribute				
Part Number	MAX5816ATB+T	MAX5821MEUA+T	MAX5815AWC+T	MAX5820LEUA+T
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Data Interface	2-Wire Serial, I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C	I <sup>2</sup> C
Settling Time	4.5µs (Typ)	12µs	4.5µs (Typ)	12µs
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Operating Temperature	-40°C ~ 125°C	-40°C ~ 85°C	-40°C ~ 125°C	-40°C ~ 85°C
Output Type	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered
Reference Type	External, Internal	External	External, Internal	External
Base Product Number	MAX581	MAX5821	MAX5815	MAX5820
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of D/A Converters	4	2	4	2
Series	-	-	-	-
Package / Case	10-WFDFN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	12-WFBGA, WLBGA	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Supplier Device Package	10-TDFN (3x3)	8-uMAX/uSOP	12-WLP (1.5x2.01)	8-uMAX/uSOP
Differential Output	No	No	No	No
Number of Bits	12	10	12	8
Architecture	R-2R	String DAC	R-2R	String DAC
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
INL/DNL (LSB)	±0.5, ±0.2	±0.5, ±0.5 (Max)	±0.5, ±0.2	±0.5, ±0.5 (Max)

## MAX5816ATB+T Datasheet PDF

Download MAX5816ATB+T pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for MAX5816ATB+T - Analog Devices Inc./Maxim Integrated.

### Datasheets

[MAX5816.pdf](#)

### Environmental Information

[Maxim Integrated REACH.pdf](#)

[Maxim Integrated RoHS Cert.pdf](#)

[Red Phosphorous Certificate.pdf](#)

### Part Numbering Guide

[Part Numbering System.pdf](#)

## Customers Also Interested in

### Recommended Products



#### MAX5821MEUA+T

Analog Devices Inc./Maxim Integrated  
IC DAC 10BIT V-OUT 8UMAX



#### MAX5815AWC+T

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



#### MAX5811LEUT

Analog Devices / Maxim Integrated



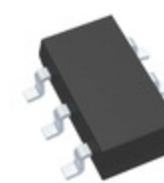
#### MAX5820LEUA+T

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



#### MAX5805BAUB+T

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



#### MAX5812MEUT+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT SOT23-6



#### MAX5839ACMH

Analog Devices / Maxim Integrated



#### MAX5812PEUT

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT SOT23-6



#### MAX5820LEUA+

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



#### MAX5821LEUA+

Analog Devices Inc./Maxim Integrated  
IC DAC 10BIT V-OUT 8UMAX



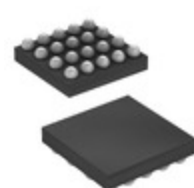
#### MAX5812LEUT

Analog Devices / Maxim Integrated



#### MAX5825AUP+

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



#### MAX5825AWP+T

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



#### MAX5812LEUT+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT SOT23-6



#### MAX5822LEUA+TG069

Analog Devices / Maxim Integrated



#### MAX5822LEUA+

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



#### MAX5812LEUT#TG16

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT V-OUT SOT23-6



#### MAX5815BAUD+T

Analog Devices Inc./Maxim Integrated  
IC DAC 12BIT 14TSSOP

## 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

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