

Image may be representation.
See specifications for product details.



DAC312HS

Manufacturer Part Number	DAC312HS
Manufacturer	Analog Devices, Inc.
Allelco Part Number	32D-DAC312HS
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 12BIT A-OUT 20SOIC
Package	20-SOIC (0.295", 7.50mm Width)
Data sheet	Cylindrical Battery Holders.pdf

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DAC312HS - Analog Devices Inc..New Original in Stock. Download Linear Technology DAC312HS datasheet/specifications on AllelcoElec.com.
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Specifications

DAC312HS Tech Specifications

DAC312HS - Analog Devices Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Analog Devices, Inc.	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Digital	20V ~ 36V	Number of D/A Converters	1
Voltage - Supply, Analog	4.5V ~ 18V, -10.8V ~ 18V	Number of Bits	12
Supplier Device Package	20-SOIC	Mounting Type	Surface Mount
Settling Time	500ns	INL/DNL (LSB)	-, ±1 (Max)
Series	-	Differential Output	Yes
Reference Type	External	Data Interface	Parallel
Package / Case	20-SOIC (0.295", 7.50mm Width)	Base Product Number	DAC312
Package	Tube	Architecture	R-2R
Output Type	Current - Unbuffered		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. DAC312HS

Product Attribute				
Part Number	DAC312HS	DAC3174IRGCR	DAC3151IRGCR	DAC3152IRGZR
Manufacturer	Analog Devices Inc.	Texas Instruments	Texas Instruments	Texas Instruments
Reference Type	External	External, Internal	External, Internal	Internal
Differential Output	Yes	Yes	Yes	Yes
INL/DNL (LSB)	-, ±1 (Max)	±2, ±1	±0.15, ±0.04	±0.15, ±0.1
Package / Case	20-SOIC (0.295", 7.50mm Width)	64-VFQFN Exposed Pad	64-VFQFN Exposed Pad	48-VFQFN Exposed Pad
Base Product Number	DAC312	DAC3174	DAC3151	DAC3152
Data Interface	Parallel	LVDS - Parallel	LVDS - Parallel	LVDS - Parallel
Output Type	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered	Current - Unbuffered
Settling Time	500ns	11ns (Typ)	11ns (Typ)	10ns (Typ)
Number of D/A Converters	1	2	1	2
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply, Analog	4.5V ~ 18V, -10.8V ~ 18V	1.71V ~ 1.89V, 3.15V ~ 3.45V	1.71V ~ 1.89V, 3.15V ~ 3.45V	3V ~ 3.6V
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Voltage - Supply, Digital	20V ~ 36V	1.71V ~ 1.89V	1.71V ~ 1.89V	1.7V ~ 1.9V
Series	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	20-SOIC	64-VQFN (9x9)	64-VQFN (9x9)	48-VQFN (7x7)
Architecture	R-2R	Current Source	Current Source	Current Sink
Number of Bits	12	14	10	10

DAC312HS Datasheet PDF

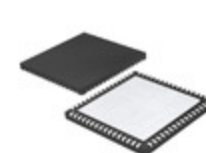
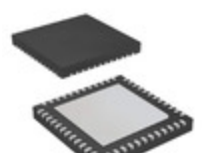
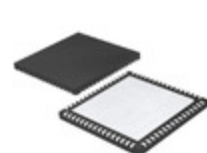
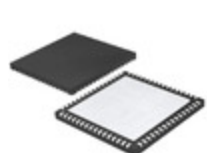
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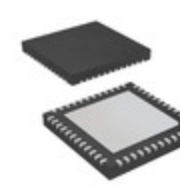
Datasheets

Cylindrical Battery Holders.pdf

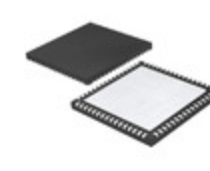
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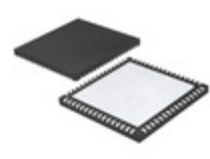
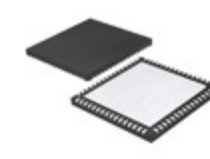


DAC3174IRGCRTexas Instruments
IC DAC 14BIT A-OUT 64VQFN**DAC3151IRGCR**Texas Instruments
IC DAC 10BIT A-OUT 64VQFN**DAC3152IRGZR**Texas Instruments
IC DAC 10BIT A-OUT 48VQFN**DAC312HSZ-REEL**Analog Devices Inc.
IC DAC 12BIT A-OUT 20SOIC**DAC3151IRGCT**Texas Instruments
IC DAC 10BIT A-OUT 64VQFN**DAC312H**

ADI (Analog Devices, Inc.)

**DAC3100**

Texas Instruments

**DAC2F150N4S-PE**DAWIN
IGBT Module**DAC312HP**Analog Devices Inc.
IC DAC 12BIT A-OUT 20DIP**DAC312FR**Analog Devices Inc.
IC DAC 12BIT A-OUT 20CDIP**DAC3162IRGZT**Texas Instruments
IC DAC 12BIT A-OUT 48VQFN**DAC3164IRGCT**Texas Instruments
IC DAC 12BIT A-OUT 64VQFN**DAC312ER**Analog Devices Inc.
IC DAC 12BIT A-OUT 20CDIP**DAC3171IRGCT**Texas Instruments
IC DAC 14BIT A-OUT 64VQFN**DAC3120**

Texas Instruments

DAC312HSZAnalog Devices Inc.
IC DAC 12BIT A-OUT 20SOIC**DAC2F200N6S**DW
IGBT Module**DAC3161IRGCT**Texas Instruments
IC DAC 12BIT A-OUT 64VQFN

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.



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Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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