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AD8842ARZ

ECAD Model

RoHs Status

AD8842ARZ Manufacturer Part Number

Manufacturer **Analog Devices, Inc.**

Allelco Part Number 32D-AD8842ARZ

PCB Symbol, Footprint & 3D Mode IC DAC 8BIT V-OUT 24SOIC Parts Description

24-SOIC (0.295", 7.50mm Width) Package

ROHS3 Compliant

AD8842.pdf Data sheet

AD8842ARZ - Analog Devices Inc..New Original in Stock. Download Linear Technology AD8842ARZ datasheet/specifications on AllelcoElec.com.

Request a quote for AD8842ARZ, please send us email: info@allelco.com



Image may be representation.

See specifications for product details.

Specifications

AD8842ARZ Tech Specifications

AD8842ARZ - 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	-	Number of D/A Converters	8
Voltage - Supply, Analog	±5V	Number of Bits	8
Supplier Device Package	24-SOIC	Mounting Type	Surface Mount
Settling Time	5.4µs (Typ)	INL/DNL (LSB)	±0.2, ±0.4
Series	TrimDAC®	Differential Output	No
Reference Type	External	Data Interface	SPI
Package / Case	24-SOIC (0.295", 7.50mm Width)	Base Product Number	AD8842
Package	Tube	Architecture	R-2R
Output Type	Voltage - Buffered		

Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD8842ARZ

Product Attribute ADMITTANT		<u> </u>			
Manufacturer Analog Dozers Irc. Analog Dozer Irc.	Product Attribute	recorded the second	Manufacture of the second	intitititi	, tetered.
Base Product Number AD8912 AD8924 AD8942	Part Number	AD8842ARZ	AD8842ANZ	AD8842AR	AD8804AR
Differential Output No No No Number of D/A Converters 8 8 8 12 Mounting Type Surface Mount Though Hole Surface Mount Surface Mount Reference Type External Exter	Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Number of D/A Converters 8 8 12 Mounting Type Surface Mount Through Hole Surface Mount Surface Mount Reference Type Exemal Exemal Exemal Exemal Number of Bits 8 8 8 8 Settling Time 5.4je Typ) 5.4je Typ) 5.4je Typ) 600es (Typ) Package Tube Tube Tube 7.2 2.7v - 5.7v Supplier Device Package 2.4501C 2.4PD/P 2.4501C 2.5v 2.7v - 5.7v Supplier Device Package 4.09°C - 85°C 4.09°C -	Base Product Number	AD8842	AD8842	AD8842	AD8804
Mounting Type Surface Mount Through Hole Surface Mount Surface Mount Surface Mount Reference Type External External External External External Number of Bits 8 8 8 8 Settling Time 5.4µs (Typ) 5.4µs (Typ) 600ns (Typ) Package Tube Tube Tube 7.0 Voltage - Supply, Digital - - 2.4500c 2.9500c Supplier Device Package 24501C 24PDIP 24500c 20500c Operating Temperature -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C Voltage - Supply, Analog ±5V ±5V 45V 2.7V ~ 5.5V Series TrimDAC/8 TrimDAC/8 TrimDAC/8 TrimDAC/8 TrimDAC/8 Architecture R-2R R-2R R2R R2R PR INL/DNL (LISB) 40.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 40.2, ±0.4 40.5, ±0.25 Output Type Voltage - Suffered Voltage - Buffer	Differential Output	No	No	No	No
Reference Type External	Number of D/A Converters	8	8	8	12
Number of Bits 8 8 8 8 Settling Time 5.4με (Typ) 5.4με (Typ) 5.4με (Typ) 600ns (Typ) Package Tube Tube Tube Tube Voltage - Supply, Digital - 2.7ν ~ 5.5ν 2.7ν ~ 5.5ν Supplier Device Package 24-50IC 24-50IC 20-50IC 20-50IC Operating Temperature -0°C ~ 85°C -10°C ~ 85°C -10°C ~ 85°C -10°C ~ 85°C Voltage - Supply, Analog ±5V ±5V ±5V 2.7ν ~ 5.5ν Series TrimDAC@ TrimDAC@ TrimDAC@ TrimDAC@ TrimDAC@ Architecture R-2R R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered	Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Settling Time 5.4µs (Typ) 5.4µs (Typ) 600ns (Typ) Package Tube Tube Tube Tube Voltage - Supply, Digital - - - 2.7V ~ 5.5V Supplier Device Package 24-SDIC 24-PDIP 24-SDIC 20-SDIC Operating Temperature -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C Voltage - Supply, Analog ±5V ±5V ±5V 2.7V ~ 5.5V Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 voltage - Unbuffered Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Reference Type	External	External	External	External
Package Tube Tube Tube Tube Voltage - Supply, Digital - - - 2.7∨ ~ 5.5∨ Supplier Device Package 24-SOIC 24-PDIP 24-SOIC 20-SOIC Operating Temperature -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C Voltage - Supply, Analog ±5V ±5V ±5V 2.7∨ ~ 5.5V Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Number of Bits	8	8	8	8
Voltage - Supply, Digital - - 2.7V ~ 5.5V Supplier Device Package 24-SOIC 24-PDIP 24-SOIC 20-SOIC Operating Temperature -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C Voltage - Supply, Analog ±5V ±5V ±5V 2.7V ~ 5.5V Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Settling Time	5.4μs (Typ)	5.4μs (Typ)	5.4μs (Typ)	600ns (Typ)
Supplier Device Package 24-SOIC 24-PDIP 24-SOIC 20-SOIC Operating Temperature -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C -40°C ~ 85°C Voltage - Supply, Analog ±5V ±5V 2.7V ~ 5.5V Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Buffered	Package	Tube	Tube	Tube	Tube
Operating Temperature -40°C ~ 85°C -20°C -40°C ~ 85°C -40°C ~ 85°C -20°C	Voltage - Supply, Digital	-	-	-	2.7V ~ 5.5V
Voltage - Supply, Analog ±5V ±5V ±5V 2.7V ~ 5.5V Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R SPI SPI<	Supplier Device Package	24-SOIC	24-PDIP	24-SOIC	20-SOIC
Series TrimDAC® TrimDAC® TrimDAC® TrimDAC® Architecture R-2R R-2R R-2R R-2R Data Interface SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Operating Temperature	-40°C ∼ 85°C	-40°C ∼ 85°C	-40°C ~ 85°C	-40°C ∼ 85°C
Architecture R-2R R-2R R-2R R-2R R-2R SPI SPI SPI SPI SPI SPI \$\frac{1}{2}\text{total}\tex	Voltage - Supply, Analog	±5V	±5V	±5V	2.7V ~ 5.5V
Data Interface SPI SPI SPI SPI SPI INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Series	TrimDAC®	TrimDAC®	TrimDAC®	TrimDAC®
INL/DNL (LSB) ±0.2, ±0.4 ±0.2, ±0.4 ±0.2, ±0.4 ±0.5, ±0.25 Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Architecture	R-2R	R-2R	R-2R	R-2R
Output Type Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Buffered Voltage - Unbuffered	Data Interface	SPI	SPI	SPI	SPI
	INL/DNL (LSB)	±0.2, ±0.4	±0.2, ±0.4	±0.2, ±0.4	±0.5, ±0.25
Package / Case 24-SOIC (0.295", 7.50mm Width) 24-DIP (0.300', 7.62mm) 24-SOIC (0.295', 7.50mm Width)	Output Type	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered	Voltage - Unbuffered
	Package / Case	24-SOIC (0.295", 7.50mm Width)	24-DIP (0.300', 7.62mm)	24-SOIC (0.295', 7.50mm Width)	20-SOIC (0.295', 7.50mm Width)

AD8842ARZ Datasheet PDF

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Datasheets



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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		
America	Brazil	7		
	Germany	5		
Europe	United Kingdom	4		
	Italy	5		
Oceania	Australia	6		
Oceania	New Zealand	7		
Asia	India	6		
Asia	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			

Contact us if you have any questions.

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

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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