



Image may be representation.  
See specifications for product details.



## AD9742ARU

Manufacturer Part Number	<b>AD9742ARU</b>
Manufacturer	<b>Analog Devices, Inc.</b>
Allelco Part Number	32D-AD9742ARU
ECAD Model	Request Free CAD Models
Parts Description	IC DAC 12BIT A-OUT 28TSSOP
Package	28-TSSOP (0.173", 4.40mm Width)
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	ROHS3 Compliant

**Get a Quote**

AD9742ARU - Analog Devices Inc..New Original in Stock. Download Linear Technology AD9742ARU datasheet/specifications on AllelcoElec.com.  
Request a quote for AD9742ARU, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AD9742ARU Tech Specifications  
AD9742ARU - 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	2.7V ~ 3.6V	Number of D/A Converters	1
Voltage - Supply, Analog	2.7V ~ 3.6V	Number of Bits	12
Supplier Device Package	28-TSSOP	Mounting Type	Surface Mount
Settling Time	11ns (Typ)	INL/DNL (LSB)	±0.5, ±0.4
Series	TxDAC®	Differential Output	Yes
Reference Type	External, Internal	Data Interface	Parallel
Package / Case	28-TSSOP (0.173", 4.40mm Width)	Base Product Number	AD9742
Package	Tube	Architecture	Current Source
Output Type	Current - Unbuffered		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc. AD9742ARU

Product Attribute				
Part Number	AD9742ARU	AD9740AR	AD9740ACPZ	AD9742ACPZ
Manufacturer	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.	Analog Devices Inc.
Voltage - Supply, Digital	2.7V ~ 3.6V	-	2.7V ~ 3.6V	2.7V ~ 3.6V
Architecture	Current Source	-	Current Source	Current Source
Voltage - Supply, Analog	2.7V ~ 3.6V	-	2.7V ~ 3.6V	2.7V ~ 3.6V
Number of Bits	12	-	10	12
Data Interface	Parallel	-	Parallel	Parallel
Differential Output	Yes	-	Yes	Yes
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Tube	Tube	Tray	Tray
Base Product Number	AD9742	AD9740	AD9740	AD9742
Supplier Device Package	28-TSSOP	28-SOIC	32-LFCSP-VQ (5x5)	32-LFCSP-WQ (5x5)
Reference Type	External, Internal	-	External, Internal	External, Internal
Operating Temperature	-40°C ~ 85°C	-	-40°C ~ 85°C	-40°C ~ 85°C
Settling Time	11ns (Typ)	-	11ns (Typ)	11ns (Typ)
Output Type	Current - Unbuffered	-	Current - Unbuffered	Current - Unbuffered
INL/DNL (LSB)	±0.5, ±0.4	-	±0.15, ±0.12	±0.5, ±0.4
Series	TxDAC®	TxDAC®	TxDAC®	TxDAC®
Package / Case	28-TSSOP (0.173", 4.40mm Width)	28-SOIC (0.295", 7.50mm Width)	32-VFQFN Exposed Pad, CSP	32-WFQFN Exposed Pad, CSP
Number of D/A Converters	1	-	1	1

### AD9742ARU Datasheet PDF

Download AD9742ARU pdf datasheets and Analog Devices Inc. documentation for AD9742ARU - Analog Devices Inc..




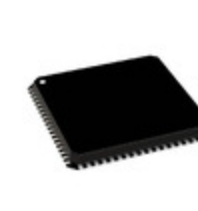





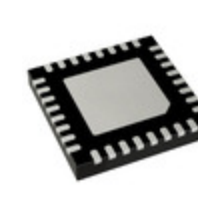
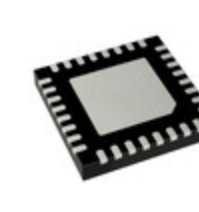

#### Datasheets

Cylindrical Battery Holders.pdf

### Customers Also Interested in

#### Recommended Products



<b>AD9740AR</b> Analog Devices Inc. IC DAC 10BIT 210MSPS 28-SOIC	<b>AD9740ACPZ</b> Analog Devices Inc. IC DAC 10BIT A-OUT 32LFCSP	<b>AD9742ACPZ</b> Analog Devices Inc. IC DAC 12BIT A-OUT 32LFCSP	<b>AD9740ARZ</b> Analog Devices Inc. IC DAC 10BIT A-OUT 28SOIC	<b>AD9742ACPZRL7</b> Analog Devices Inc. IC DAC 12BIT A-OUT 32LFCSP	<b>AD9742ARZ</b> Analog Devices Inc. IC DAC 12BIT A-OUT 28SOIC
					
<b>AD9744AR</b> Analog Devices Inc. IC DAC 14BIT 210MSPS 28-SOIC	<b>AD9740ACPZRL7</b> Analog Devices Inc. IC DAC 10BIT A-OUT 32LFCSP	<b>AD9740ARUZ</b> Analog Devices Inc. IC DAC 10BIT A-OUT 28TSSOP	<b>AD9743BCPZ</b> Analog Devices Inc. IC DAC 10BIT A-OUT 72LFCSP	<b>AD9742AR</b> Analog Devices Inc. IC DAC 12BIT 210MSPS 28-SOIC	<b>AD9740WARUZRL7</b> Analog Devices Inc. IC DAC 10BIT A-OUT 28TSSOP
					
<b>AD9744ACPZRL7</b> Analog Devices Inc. IC DAC 14BIT A-OUT 32LFCSP	<b>AD9742ARZRL</b> Analog Devices Inc. IC DAC 12BIT A-OUT 28SOIC	<b>AD9742ARUZ</b> Analog Devices Inc. IC DAC 12BIT A-OUT 28TSSOP	<b>AD9744ACPZ</b> Analog Devices Inc. IC DAC 14BIT A-OUT 32LFCSP	<b>AD9742ACP</b> Analog Devices Inc. IC DAC 12BIT 210MSPS 32-LFCSP	<b>AD9742ARUZ-REEL7</b> ADI (Analog Devices, Inc.)



## 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.

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### Certifications & Memberships



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