

Image may be representation.  
See specifications for product details.



## MCP4822-E/P

Manufacturer Part Number	<b>MCP4822-E/P</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP4822-E/P
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DAC 12BIT V-OUT 8DIP
Package	8-DIP (0.300", 7.62mm)
Data sheet	<b>MCP4802,4812,4822 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCP4822-E/P - Microchip Technology. New Original in Stock. Download Linear Technology MCP4822-E/P datasheet/specifications on AllelcoElec.com. Request a quote for MCP4822-E/P, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP4822-E/P Tech Specifications

MCP4822-E/P - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 125°C
Voltage - Supply, Digital	2.7V ~ 5.5V	Number of D/A Converters	2
Voltage - Supply, Analog	2.7V ~ 5.5V	Number of Bits	12
Supplier Device Package	8-PDIP	Mounting Type	Through Hole
Settling Time	4.5µs (Typ)	INL/DNL (LSB)	±4, ±0.25
Series	-	Differential Output	No
Reference Type	Internal	Data Interface	SPI
Package / Case	8-DIP (0.300", 7.62mm)	Base Product Number	MCP4822
Package	Tube	Architecture	String DAC
Output Type	Voltage - Buffered		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4822-E/P

Product Attribute				
Part Number	MCP4822-E/P	MCP4812T-E/MS	MCP4822-E/MS	MCP4911T-E/MC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Data Interface	SPI	SPI	SPI	SPI
Base Product Number	MCP4822	MCP4812	MCP4822	MCP4911
Number of Bits	12	10	12	10
Package / Case	8-DIP (0.300", 7.62mm)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-VDFN Exposed Pad
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Reference Type	Internal	Internal	Internal	External
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Architecture	String DAC	String DAC	String DAC	String DAC
Settling Time	4.5µs (Typ)	4.5µs (Typ)	4.5µs (Typ)	4.5µs (Typ)
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Supplier Device Package	8-PDIP	8-MSOP	8-MSOP	8-DFN (2x3)
Voltage - Supply, Analog	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Differential Output	No	No	No	No
Series	-	-	-	-
INL/DNL (LSB)	±4, ±0.25	±1, ±0.2	±4, ±0.25	±1, ±0.2
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Number of D/A Converters	2	2	2	1
Output Type	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered

### MCP4822-E/P Datasheet PDF

Download MCP4822-E/P pdf datasheets and Microchip Technology documentation for MCP4822-E/P - Microchip Technology.

#### Datasheets

MCP4802,4812,4822 Datasheet.pdf


#### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf

#### Other Related Documents

Development Tools Catalog.pdf

 Qualification Revision 06/Feb/2014.pdf

## Customers Also Interested in

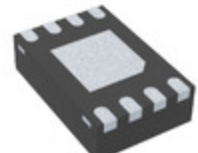
### Recommended Products



**MCP4812T-E/MS**  
Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



**MCP4822-E/MS**  
Microchip Technology  
IC DAC 12BIT V-OUT 8MSOP



**MCP4911T-E/MC**  
Microchip Technology  
IC DAC 10BIT V-OUT 8DFN



**MCP4822T-E/MS**  
Microchip Technology  
IC DAC 12BIT V-OUT 8MSOP



**MCP4821T-E/SN**  
Microchip Technology  
IC DAC 12BIT V-OUT 8SOIC



**MCP4812-E/MS**  
Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



**MCP4911-E/SN**  
Microchip Technology  
IC DAC 10BIT V-OUT 8SOIC



**MCP4911T-E/SN**  
Microchip Technology  
IC DAC 10BIT V-OUT 8SOIC



**MCP4812-E/SN**  
Microchip Technology  
IC DAC 10BIT V-OUT 8SOIC



**MCP4811-E/P**  
Microchip Technology  
IC DAC 10BIT V-OUT 8DIP



**MCP4822-E/SN**  
Microchip Technology  
IC DAC 12BIT V-OUT 8SOIC



**MCP4821-E/MS**  
Microchip Technology  
IC DAC 12BIT V-OUT 8MSOP



**MCP4821T-E/MS**  
Microchip Technology  
IC DAC 12BIT V-OUT 8MSOP



**MCP4901T-E/SN**  
Microchip Technology  
IC DAC 8BIT V-OUT 8SOIC



**MCP48FVB02-E/UN**  
Microchip Technology  
IC DAC 8BIT V-OUT 10MSOP



**MCP4811T-E/MS**  
Microchip Technology  
IC DAC 10BIT V-OUT 8MSOP



**MCP4902-E/SL**  
Microchip Technology  
IC DAC 8BIT V-OUT 14SOIC



**MCP4821-E/SN**  
Microchip Technology  
IC DAC 12BIT V-OUT 8SOIC

## 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  
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### Certifications & Memberships



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### Contact us

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