

Image may be representation.
See specifications for product details.



MCP4812-E/MS

Manufacturer Part Number	MCP4812-E/MS
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP4812-E/MS
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DAC 10BIT V-OUT 8MSOP
Package	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Data sheet	MCP4802,4812,4822 Datasheet.pdf
RoHs Status	ROHS3 Compliant

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MCP4812-E/MS - Microchip Technology. New Original in Stock. Download Linear Technology MCP4812-E/MS datasheet/specifications on AllelcoElec.com.
Request a quote for MCP4812-E/MS, please send us email: info@allelco.com

Specifications

MCP4812-E/MS Tech Specifications
MCP4812-E/MS - 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	10
Supplier Device Package	8-MSOP	Mounting Type	Surface Mount
Settling Time	4.5µs (Typ)	INL/DNL (LSB)	±1, ±0.2
Series	-	Differential Output	No
Reference Type	Internal	Data Interface	SPI
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	Base Product Number	MCP4812
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 MCP4812-E/MS

Product Attribute				
Part Number	MCP4812-E/MS	MCP4821T-E/SN	MCP4822T-E/MS	MCP47FEB22A0T-E/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Settling Time	4.5µs (Typ)	4.5µs (Typ)	4.5µs (Typ)	6µs (Typ)
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
Number of Bits	10	12	12	12
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	8-MSOP	8-SOIC	8-MSOP	8-TSSOP
Architecture	String DAC	String DAC	String DAC	R-2R
Number of D/A Converters	2	1	2	2
Package / Case	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP (0.173", 4.40mm Width)
INL/DNL (LSB)	±1, ±0.2	±4, ±0.25	±4, ±0.25	±1.5, ±0.2
Base Product Number	MCP4812	MCP4821	MCP4822	MCP47FEB22
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply, Digital	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Output Type	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered	Voltage - Buffered
Series	-	-	-	-
Data Interface	SPI	SPI	SPI	I ² C
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Reference Type	Internal	Internal	Internal	External, Internal, Supply

MCP4812-E/MS Datasheet PDF

Download MCP4812-E/MS pdf datasheets and Microchip Technology documentation for MCP4812-E/MS - Microchip Technology.

Datasheets

[MCP4802,4812,4822 Datasheet.pdf](#)

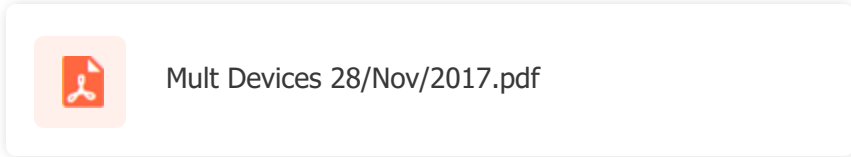
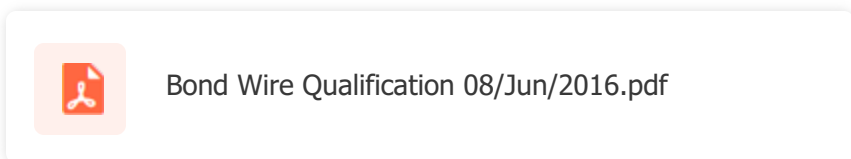
PCN Packaging

[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

Other Related Documents

[Development Tools Catalog.pdf](#)



Customers Also Interested in

Recommended Products

MCP4821T-E/SN Microchip Technology IC DAC 12BIT V-OUT 8SOIC	MCP4822T-E/MS Microchip Technology IC DAC 12BIT V-OUT 8MSOP	MCP47FEB22A0T-E/ST Microchip Technology IC DAC 12BIT V-OUT 8TSSOP	MCP47FEB12A2-E/ST Microchip Technology IC DAC 10BIT V-OUT 8TSSOP	MCP4822-E/SN Microchip Technology IC DAC 12BIT V-OUT 8SOIC	MCP4821-E/MS Microchip Technology IC DAC 12BIT V-OUT 8MSOP
MCP4812-E/SN Microchip Technology IC DAC 10BIT V-OUT 8SOIC	MCP4802-E/P Microchip Technology IC DAC 8BIT V-OUT 8DIP	MCP4811-E/P Microchip Technology IC DAC 10BIT V-OUT 8DIP	MCP4822-E/MS Microchip Technology IC DAC 12BIT V-OUT 8MSOP	MCP4822-E/P Microchip Technology IC DAC 12BIT V-OUT 8DIP	MCP4801T-E/MC Microchip Technology IC DAC 8BIT V-OUT 8DFN
MCP4821-E/SN Microchip Technology IC DAC 12BIT V-OUT 8SOIC	MCP4802-E/MS Microchip Technology IC DAC 8BIT V-OUT 8MSOP	MCP4811T-E/MS Microchip Technology IC DAC 10BIT V-OUT 8MSOP	MCP4812T-E/MS Microchip Technology IC DAC 10BIT V-OUT 8MSOP	MCP4821T-E/MS Microchip Technology IC DAC 12BIT V-OUT 8MSOP	MCP4801-E/SN Microchip Technology IC DAC 8BIT 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
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Contact us if you have any questions.

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Certifications & Memberships



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