

Image may be representation.  
See specifications for product details.



## MCP1700T-5002E/MB

Manufacturer Part Number	<b>MCP1700T-5002E/MB</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP1700T-5002E/MB
ECAD Model	Request Free CAD Models
Parts Description	IC REG LINEAR 5V 250MA SOT89-3
Package	TO-243AA
Data sheet	<b>MCP1700 Datasheet.pdf</b> <b>MCP1700 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCP1700T-5002E/MB - Microchip Technology. New Original in Stock. Download Linear Technology MCP1700T-5002E/MB datasheet/specifications on AllelcoElec.com. Request a quote for MCP1700T-5002E/MB, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP1700T-5002E/MB Tech Specifications  
MCP1700T-5002E/MB - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	PSRR	44dB (100Hz)
Voltage Dropout (Max)	0.35V @ 250mA	Output Type	Fixed
Voltage - Output (Min/Fixed)	5V	Output Configuration	Positive
Voltage - Output (Max)	-	Operating Temperature	-40°C ~ 125°C
Voltage - Input (Max)	6V	Number of Regulators	1
Supplier Device Package	SOT-89-3	Mounting Type	Surface Mount
Series	-	Current - Quiescent (Iq)	4 µA
Protection Features	Over Current, Over Temperature, Short Circuit	Current - Output	250mA
Package / Case	TO-243AA	Control Features	-
Package	Tape & Reel (TR)	Base Product Number	MCP1700

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1700T-5002E/MB

Product Attribute				
Part Number	MCP1700T-5002E/MB	MCP1700T-3302E/MAY	MCP1700T-3602E/TT	MCP1701AT-2502I/MB
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
PSRR	44dB (100Hz)	44dB (100Hz)	44dB (100Hz)	-
Voltage - Input (Max)	6V	6V	6V	10V
Control Features	-	-	-	-
Series	-	-	-	-
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 85°C
Current - Quiescent (Iq)	4 µA	4 µA	4 µA	4.5 µA
Current - Output	250mA	250mA	250mA	125mA
Voltage - Output (Max)	-	-	-	-
Protection Features	Over Current, Over Temperature, Short Circuit	Over Current, Over Temperature, Short Circuit	Over Current, Over Temperature, Short Circuit	Short Circuit
Voltage Dropout (Max)	0.35V @ 250mA	0.35V @ 250mA	0.35V @ 250mA	0.7V @ 120mA
Output Type	Fixed	Fixed	Fixed	Fixed
Number of Regulators	1	1	1	1
Supplier Device Package	SOT-89-3	6-DFN (2x2)	SOT-23-3	SOT-89-3
Base Product Number	MCP1700	MCP1700	MCP1700	MCP1701
Voltage - Output (Min/Fixed)	5V	3.3V	3.6V	2.5V
Output Configuration	Positive	Positive	Positive	Positive
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	TO-243AA	6-VDFN Exposed Pad	TO-236-3, SC-59, SOT-23-3	TO-243AA

### MCP1700T-5002E/MB Datasheet PDF

Download MCP1700T-5002E/MB pdf datasheets and Microchip Technology documentation for MCP1700T-5002E/MB - Microchip Technology.

#### Datasheets


MCP1700 Datasheet.pdf

#### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf


#### Design Resources


 Portable Power Conversion Design Guide.pdf

## Other Related Documents


 Development Tools Catalog.pdf

## PCN Design/Specification

 MCP1700 18/Dec/2020.pdf

 MCP1700 19/Sep/2016.pdf

## HTML Datasheet

 MCP1700 Datasheet.pdf

## Customers Also Interested in

### Recommended Products



#### MCP1700T-3302E/MAY

Microchip Technology  
IC REG LINEAR 3.3V 250MA 6DFN



#### MCP1700T-3602E/TT

Microchip Technology  
IC REG LINEAR 3.6V 250MA SOT23-3



#### MCP1701AT-2502I/MB

Microchip Technology  
IC REG LINEAR 2.5V 125MA SOT89-3



#### MCP1700T-5002E/MBVAO

Microchip Technology  
IC REG LINEAR 5V 250MA SOT89-3



#### MCP1701AT-2502I/CB

Microchip Technology  
IC REG LIN 2.5V 125MA SOT23A-3



#### MCP1700T-3302E/TTVAO

Microchip Technology  
IC REG LINEAR 3.3V 250MA SOT23-3



#### MCP1701AT-3002I/CB

Microchip Technology  
IC REG LINEAR 3V 150MA SOT23A-3



#### MCP1701AT-1502I/CB

Micrel / Microchip Technology



#### MCP1701AT-1802I/MB

Microchip Technology  
IC REG LINEAR 1.8V 110MA SOT89-3



#### MCP1700T-4101E/TT

Micrel / Microchip Technology



#### MCP1700T-3302E/MBVAO

Microchip Technology  
IC REG LINEAR 3.3V 250MA SOT89-3



#### MCP1700T-3502E/TT

Microchip Technology  
IC REG LINEAR 3.5V 250MA SOT23-3



#### MCP1700T-5002E/TT

Microchip Technology  
IC REG LINEAR 5V 250MA SOT23-3



#### MCP1700T-3302E/TT

Microchip Technology  
IC REG LINEAR 3.3V 250MA SOT23-3



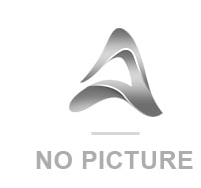
#### MCP1700T-3302E/MB

Microchip Technology  
IC REG LINEAR 3.3V 250MA SOT89-3



#### MCP1701AT-1802I/CB

Microchip Technology  
IC REG LIN 1.8V 110MA SOT23A-3



#### MCP1700T-3302E/TI

MIC



#### MCP1700T-3902E/TT

Micrel / Microchip Technology

## 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 Alleco 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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Email

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## Certifications & Memberships



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