



Image may be representation.
See specifications for product details.



MCP1755ST-5002E/DB

Manufacturer Part Number	MCP1755ST-5002E/DB
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP1755ST-5002E/DB
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR 5V 300MA SOT223-3
Package	TO-261-4, TO-261AA
Data sheet	Cylindrical Battery Holders.pdf MCP1755/S Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP1755ST-5002E/DB - Microchip Technology. New Original in Stock. Download Linear Technology MCP1755ST-5002E/DB datasheet/specifications on AllelcoElec.com. Request a quote for MCP1755ST-5002E/DB, please send us email: info@allelco.com

Specifications

MCP1755ST-5002E/DB Tech Specifications
MCP1755ST-5002E/DB - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Output Type	Fixed
Voltage Dropout (Max)	0.5V @ 300mA	Output Configuration	Positive
Voltage - Output (Min/Fixed)	5V	Operating Temperature	-40°C ~ 125°C
Voltage - Output (Max)	-	Number of Regulators	1
Voltage - Input (Max)	16V	Mounting Type	Surface Mount
Supplier Device Package	SOT-223-3	Current - Supply (Max)	400 µA
Series	-	Current - Quiescent (Iq)	100 µA
Protection Features	Over Current, Over Temperature, Short Circuit	Current - Output	300mA
Package / Case	TO-261-4, TO-261AA	Control Features	-
Package	Tape & Reel (TR)	Base Product Number	MCP1755
PSRR	80dB (1kHz)		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1755ST-5002E/DB

Product Attribute				
Part Number	MCP1755ST-5002E/DB	MCP1790T-3002E/DB	MCP1755T-3302E/DC	MCP1790T-3302E/DB
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	-	-	-	-
Supplier Device Package	SOT-223-3	SOT-223-3	SOT-223-5	SOT-223-3
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Output (Min/Fixed)	5V	3V	3.3V	3.3V
Current - Output	300mA	70mA	300mA	70mA
Current - Quiescent (Iq)	100 µA	130 µA	100 µA	130 µA
Voltage - Output (Max)	-	-	-	-
Protection Features	Over Current, Over Temperature, Short Circuit	Over Temperature, Short Circuit	Over Current, Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Package / Case	TO-261-4, TO-261AA	TO-261-4, TO-261AA	SOT-223-6	TO-261-4, TO-261AA
Output Configuration	Positive	Positive	Positive	Positive
Current - Supply (Max)	400 µA	210 µA	400 µA	210 µA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Control Features	-	-	Enable, Power Good	-
Voltage - Input (Max)	16V	30V	16V	30V
Base Product Number	MCP1755	MCP1790	MCP1755	MCP1790
PSRR	80dB (1kHz)	90dB ~ 80dB (100Hz ~ 1kHz)	80dB (1kHz)	90dB ~ 80dB (100Hz ~ 1kHz)
Output Type	Fixed	Fixed	Fixed	Fixed
Voltage Dropout (Max)	0.5V @ 300mA	1.3V @ 70mA	0.5V @ 300mA	1.3V @ 70mA
Number of Regulators	1	1	1	1

MCP1755ST-5002E/DB Datasheet PDF

Download MCP1755ST-5002E/DB pdf datasheets and Microchip Technology documentation for MCP1755ST-5002E/DB - Microchip Technology.

Datasheets


Cylindrical Battery Holders.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

PCN Assembly/Origin

 SOT-223 Qualification 08/Aug/2013.pdf

HTML Datasheet

 MCP1755/S Datasheet.pdf

PCN Design/Specification

 Cylindrical Battery Holders.pdf

Customers Also Interested in

Recommended Products



MCP1790T-3002E/DB

Microchip Technology
IC REG LINEAR 3V 70MA SOT223-3



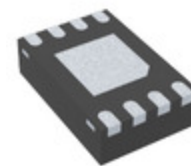
MCP1755T-3302E/DC

Microchip Technology
IC REG LIN 3.3V 300MA SOT223-5



MCP1790T-3302E/DB

Microchip Technology
IC REG LINEAR 3.3V 70MA SOT223-3



MCP1755T-3302E/MC

Microchip Technology
IC REG LINEAR 3.3V 300MA 8DFN



MCP1790-5002E/DB

Microchip Technology
IC REG LINEAR 5V 70MA SOT223-3



MCP1755T-5002E/OT

Microchip Technology
IC REG LINEAR 5V 300MA SOT23-5



MCP1755S-3302E/DB

Microchip Technology
IC REG LIN 3.3V 300MA SOT223-3



MCP1790-5002E/EB

Microchip Technology
IC REG LINEAR 5V 70MA 3DDPAK



MCP1755T-3302E/OT

Microchip Technology
IC REG LINEAR 3.3V 300MA SOT23-5



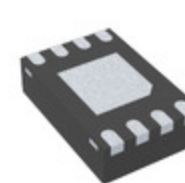
MCP1755S-5002E/DB

Microchip Technology
IC REG LINEAR 5V 300MA SOT223-3



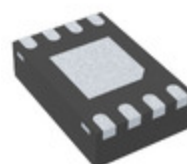
MCP1754T-3302E/OT

Microchip Technology
IC REG LINEAR 3.3V 150MA SOT23-5



MCP1755-5002E/MC

Microchip Technology
IC REG LINEAR 5V 300MA 8DFN



MCP1754T-5002E/CB

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MCP1755T-5002E/MC

Microchip Technology
IC REG LINEAR 5V 300MA 8DFN



MCP1755ST-3302E/DB

Microchip Technology
IC REG LIN 3.3V 300MA SOT223-3



MCP1755S-1802E/DB

Microchip Technology
IC REG LIN 1.8V 300MA SOT223-3



MCP1755T-1802E/OT

Microchip Technology
IC REG LINEAR 1.8V 300MA SOT23-5



MCP1755ST-1802E/DB

Microchip Technology
IC REG LIN 1.8V 300MA SOT223-3

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.



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Certifications & Memberships



View More

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