

Image may be representation.  
See specifications for product details.



## MCP1825S-3002E/DB

Manufacturer Part Number	<b>MCP1825S-3002E/DB</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP1825S-3002E/DB
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC REG LINEAR 3V 500MA SOT223-3
Package	TO-261-4, TO-261AA
Data sheet	<b>MCP1825/S Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCP1825S-3002E/DB - Microchip Technology. New Original in Stock. Download Linear Technology MCP1825S-3002E/DB datasheet/specifications on AllelcoElec.com. Request a quote for MCP1825S-3002E/DB, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP1825S-3002E/DB Tech Specifications  
MCP1825S-3002E/DB - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	PSRR	60dB (100Hz)
Voltage Dropout (Max)	0.35V @ 500mA	Output Type	Fixed
Voltage - Output (Min/Fixed)	3V	Output Configuration	Positive
Voltage - Output (Max)	-	Operating Temperature	-40°C ~ 125°C
Voltage - Input (Max)	6V	Number of Regulators	1
Supplier Device Package	SOT-223-3	Mounting Type	Surface Mount
Series	-	Current - Quiescent (Iq)	220 µA
Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Current - Output	500mA
Package / Case	TO-261-4, TO-261AA	Control Features	-
Package	Tube	Base Product Number	MCP1825

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1825S-3002E/DB

Product Attribute				
Part Number	MCP1825S-3002E/DB	MCP1825-3302E/ET	MCP1825S-1202E/DB	MCP1825ST-1202E/DB
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Voltage - Input (Max)	6V	6V	6V	6V
Output Configuration	Positive	Positive	Positive	Positive
PSRR	60dB (100Hz)	60dB (100Hz)	60dB (100Hz)	60dB (100Hz)
Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)
Voltage Dropout (Max)	0.35V @ 500mA	0.35V @ 500mA	0.35V @ 500mA	0.35V @ 500mA
Number of Regulators	1	1	1	1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Current - Output	500mA	500mA	500mA	500mA
Series	-	-	-	-
Output Type	Fixed	Fixed	Fixed	Fixed
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Package	Tube	Tube	Tube	Tape & Reel (TR)
Base Product Number	MCP1825	MCP1825	MCP1825	MCP1825
Package / Case	TO-261-4, TO-261AA	TO-263-6, D <sup>2</sup> Pak (5 Leads + Tab), TO-263BA	TO-261-4, TO-261AA	TO-261-4, TO-261AA
Supplier Device Package	SOT-223-3	5-DDPAK	SOT-223-3	SOT-223-3
Voltage - Output (Max)	-	-	-	-
Control Features	-	Enable, Power Good	-	-
Voltage - Output (Min/Fixed)	3V	3.3V	1.2V	1.2V
Current - Quiescent (Iq)	220 µA	220 µA	220 µA	220 µA

### MCP1825S-3002E/DB Datasheet PDF

Download MCP1825S-3002E/DB pdf datasheets and Microchip Technology documentation for MCP1825S-3002E/DB - Microchip Technology.

#### Datasheets

MCP1825/S Datasheet.pdf

#### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

Packing Changes 10/Oct/2016.pdf



















#### PCN Assembly/Origin

PCN Design/Specification

MCP1825/MCP1825S 01/Jul/2022.pdf

Customers Also Interested in

Recommended Products

 <b>MCP1825-3302E/ET</b> Microchip Technology IC REG LINEAR 3.3V 500MA 5DDPAK	 <b>MCP1825S-5002E/DBTR</b> Micrel / Microchip Technology	 <b>MCP1825S-1202E/DB</b> Microchip Technology IC REG LIN 1.2V 500MA SOT223-3	 <b>MCP1825ST-1202E/DB</b> Microchip Technology IC REG LIN 1.2V 500MA SOT223-3	 <b>MCP1825-3302E/DB</b> MIC	 <b>MCP1825S-3302E/DB</b> Microchip Technology IC REG LIN 3.3V 500MA SOT223-3
 <b>MCP1825S-3302E/AB</b> Microchip Technology IC REG LINEAR 3.3V 500MA T0223-3	 <b>MCP1825S-5002E/DB</b> Microchip Technology IC REG LINEAR 5V 500MA SOT223-3	 <b>MCP1824T-ADJE/OT</b> Microchip Technology IC REG LIN POS ADJ 300MA SOT23-5	 <b>MCP1825S-1802E/DB</b> Microchip Technology IC REG LIN 1.8V 500MA SOT223-3	 <b>MCP1825S-2502E/DBTR</b> Micrel / Microchip Technology	 <b>MCP1825S-1202E/EB</b> Microchip Technology IC REG LINEAR 1.2V 500MA 3DDPAK
 <b>MCP1825ST-2502E/DB</b> Microchip Technology IC REG LIN 2.5V 500MA SOT223-3	 <b>MCP1825-ADJE/AT</b> Microchip Technology IC REG LIN POS ADJ 500MA T0220-5	 <b>MCP1825S-2502E/DB</b> Microchip Technology IC REG LIN 2.5V 500MA SOT223-3	 <b>MCP1825S-1802E/DBTR</b> Micrel / Microchip Technology	 <b>MCP1825ST-1802E/DB</b> Microchip Technology IC REG LIN 1.8V 500MA SOT223-3	 <b>MCP1825S-3302E/DBTR</b> 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 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



View More

Contact us

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