

Image may be representation.
See specifications for product details.



MCP1826ST-5002E/DB

Manufacturer Part Number	MCP1826ST-5002E/DB
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP1826ST-5002E/DB
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC REG LINEAR 5V 1A SOT223-3
Package	TO-261-4, TO-261AA
Data sheet	MCP1826/26S.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP1826ST-5002E/DB - Microchip Technology. New Original in Stock. Download Linear Technology MCP1826ST-5002E/DB datasheet/specifications on AllelcoElec.com. Request a quote for MCP1826ST-5002E/DB, please send us email: info@allelco.com

Specifications

MCP1826ST-5002E/DB Tech Specifications

MCP1826ST-5002E/DB - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	PSRR	60dB (100Hz)
Voltage Dropout (Max)	0.4V @ 1A	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-223-3	Mounting Type	Surface Mount
Series	-	Current - Quiescent (Iq)	220 µA
Protection Features	Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)	Current - Output	1A
Package / Case	TO-261-4, TO-261AA	Control Features	-
Package	Tape & Reel (TR)	Base Product Number	MCP1826

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP1826ST-5002E/DB

Product Attribute				
Part Number	MCP1826ST-5002E/DB	MCP1826S-2502E/DB	MCP1826T-3302E/DC	MCP1826T-ADJE/DC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of Regulators	1	1	1	1
Voltage Dropout (Max)	0.4V @ 1A	0.4V @ 1A	0.4V @ 1A	0.4V @ 1A
Voltage - Output (Max)	-	-	-	5V
Supplier Device Package	SOT-223-3	SOT-223-3	SOT-223-5	SOT-223-5
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Type	Fixed	Fixed	Fixed	Adjustable
Series	-	-	-	-
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Output (Min/Fixed)	5V	2.5V	3.3V	0.8V
Output Configuration	Positive	Positive	Positive	Positive
Current - Quiescent (Iq)	220 µA	220 µA	220 µA	220 µA
Package / Case	TO-261-4, TO-261AA	TO-261-4, TO-261AA	SOT-223-6	SOT-223-6
PSRR	60dB (100Hz)	60dB (100Hz)	60dB (100Hz)	60dB (100Hz)
Control Features	-	-	Enable, Power Good	Enable, Power Good
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tape & Reel (TR)
Current - Output	1A	1A	1A	1A
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 - Input (Max)	6V	6V	6V	6V
Base Product Number	MCP1826	MCP1826	MCP1826	MCP1826

MCP1826ST-5002E/DB Datasheet PDF

Download MCP1826ST-5002E/DB pdf datasheets and Microchip Technology documentation for MCP1826ST-5002E/DB - Microchip Technology.

Datasheets

MCP1826/26S.pdf

PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf








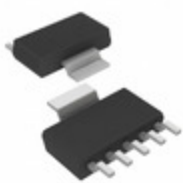





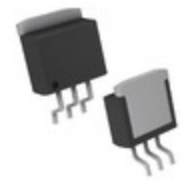

Packing Changes 10/Oct/2016.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

 MCP1826S-2502E/DB Microchip Technology IC REG LINEAR 2.5V 1A SOT223-3	 MCP1826T-3302E/DC Microchip Technology IC REG LINEAR 3.3V 1A SOT223-5	 MCP1826T-ADJE/DC Microchip Technology IC REG LINEAR POS ADJ 1A SOT223	 MCP1826ST-2502E/DB Microchip Technology IC REG LINEAR 2.5V 1A SOT223-3	 MCP1826S-1802E/DB Microchip Technology IC REG LINEAR 1.8V 1A SOT223-3	 MCP1826S-3302E/EB Microchip Technology IC REG LINEAR 3.3V 1A 3DDPAK
 MCP1827-3302E/ET Microchip Technology IC REG LINEAR 3.3V 1.5A 5DDPAK	 MCP1826T-5002E/DC Microchip Technology IC REG LINEAR 5V 1A SOT223-5	 MCP1826T-1202E/DC Microchip Technology IC REG LINEAR 1.2V 1A SOT223-5	 MCP1827-5002E/ET Microchip Technology IC REG LINEAR 5V 1.5A 5DDPAK	 MCP1826S-3302E/DB Microchip Technology IC REG LINEAR 3.3V 1A SOT223-3	 MCP1826S-5002E/DB Microchip Technology IC REG LINEAR 5V 1A SOT223-3
 MCP1826ST-3302E/DB Microchip Technology IC REG LINEAR 3.3V 1A SOT223-3	 MCP1826T-1802E/DC Microchip Technology IC REG LINEAR 1.8V 1A SOT223-5	 MCP1826ST-3302E/EB Microchip Technology IC REG LINEAR 3.3V 1A 3DDPAK	 MCP1826S-5002E/AB Microchip Technology IC REG LINEAR 5V 1A TO220-3	 MCP1826ST-1802E/DB Microchip Technology IC REG LINEAR 1.8V 1A SOT223-3	 MCP1826T-2502E/DC Microchip Technology IC REG LINEAR 2.5V 1A SOT223-5

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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