

Image may be representation.
See specifications for product details.



MCP1825S-2502E/DB

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | MCP1825S-2502E/DB |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-MCP1825S-2502E/DB |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC REG LIN 2.5V 500MA SOT223-3 |
| Package | TO-261-4, TO-261AA |
| Data sheet | MCP1825/S Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MCP1825S-2502E/DB - Microchip Technology. New Original in Stock. Download Linear Technology MCP1825S-2502E/DB datasheet/specifications on AllelcoElec.com. Request a quote for MCP1825S-2502E/DB, please send us email: info@allelco.com

Specifications

MCP1825S-2502E/DB Tech Specifications
MCP1825S-2502E/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) | 2.5V | 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 | 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-2502E/DB

| Product Attribute | | | | |
|------------------------------|---|---|---|---|
| Part Number | MCP1825S-2502E/DB | MCP1825S-5002E/DB | MCP1825S-3302E/AB | MCP1825ST-1202E/DB |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| 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) |
| Base Product Number | MCP1825 | MCP1825 | MCP1825 | MCP1825 |
| Series | - | - | - | - |
| Supplier Device Package | SOT-223-3 | SOT-223-3 | TO-220-3 | SOT-223-3 |
| Package / Case | TO-261-4, TO-261AA | TO-261-4, TO-261AA | TO-220-3 | TO-261-4, TO-261AA |
| Voltage Dropout (Max) | 0.35V @ 500mA | 0.35V @ 500mA | 0.35V @ 500mA | 0.35V @ 500mA |
| Voltage - Input (Max) | 6V | 6V | 6V | 6V |
| Mounting Type | Surface Mount | Surface Mount | Through Hole | Surface Mount |
| Output Type | Fixed | Fixed | Fixed | Fixed |
| Number of Regulators | 1 | 1 | 1 | 1 |
| Package | Tube | Tube | Tube | Tape & Reel (TR) |
| Current - Output | 500mA | 500mA | 500mA | 500mA |
| Output Configuration | Positive | Positive | Positive | Positive |
| Operating Temperature | -40°C ~ 125°C | -40°C ~ 125°C | -40°C ~ 125°C | -40°C ~ 125°C |
| Current - Quiescent (Iq) | 220 µA | 220 µA | 220 µA | 220 µA |
| Control Features | - | - | - | - |
| Voltage - Output (Max) | - | - | - | - |
| Voltage - Output (Min/Fixed) | 2.5V | 5V | 3.3V | 1.2V |
| PSRR | 60dB (100Hz) | 60dB (100Hz) | 60dB (100Hz) | 60dB (100Hz) |

MCP1825S-2502E/DB Datasheet PDF

Download MCP1825S-2502E/DB pdf datasheets and Microchip Technology documentation for MCP1825S-2502E/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

| | | | | | |
|---|---|--|--|--|---|
|  MCP1825S-5002E/DB Microchip Technology IC REG LINEAR 5V 500MA SOT223-3 |  MCP1825S-3302E/AB Microchip Technology IC REG LINEAR 3.3V 500MA TO220-3 |  MCP1825ST-1202E/DB Microchip Technology IC REG LIN 1.2V 500MA SOT223-3 |  MCP1824T-ADJE/OT Micrel / Microchip Technology |  MCP1824T-ADJE/OT Microchip Technology IC REG LIN POS ADJ 300MA SOT23-5 |  MCP1825-ADJE/AT Microchip Technology IC REG LIN POS ADJ 500MA TO220-5 |
|  MCP1825S-3302E/DB Microchip Technology IC REG LIN 3.3V 500MA SOT223-3 |  MCP1825S-1202E/EB Microchip Technology IC REG LINEAR 1.2V 500MA 3DDPAK |  MCP1825-3302E/DB MIC |  MCP1825S-3302E/DBTR Micrel / Microchip Technology |  MCP1825S-3002E/DB Microchip Technology IC REG LINEAR 3V 500MA SOT223-3 |  MCP1825S-1802E/DB Microchip Technology IC REG LIN 1.8V 500MA SOT223-3 |
|  MCP1825S-1202E/DB Microchip Technology IC REG LIN 1.2V 500MA SOT223-3 |  MCP1825S-5002E/DBTR Micrel / Microchip Technology |  MCP1825S-2502E/DBTR Micrel / Microchip Technology |  MCP1825-3302E/ET Microchip Technology IC REG LINEAR 3.3V 500MA 5DDPAK |  MCP1824T-ADJE/O Micrel / Microchip Technology |  MCP1825S-1802E/DBTR 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 |
|--|--|---|

Contact us if you have any questions.

| | |
|--|--|
|  Phone +00852 9146 4856 |  Email info@allelco.com |
|--|--|

Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com