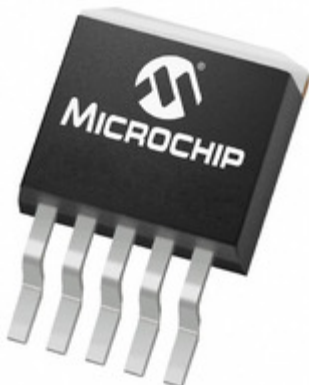


MCP1827T-2502E/ET





Part Number: MCP1827T-2502E/ET

Manufacturer: Micrel / Microchip Technology

Description: IC REG LINEAR 2.5V 1.5A 5DDPAK

Data sheet:  MCP1827(S, ST, T)

RoHs Status: Lead free / RoHS Compliant

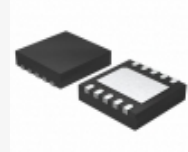
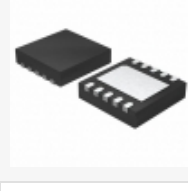
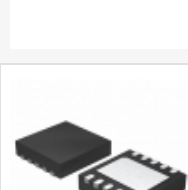
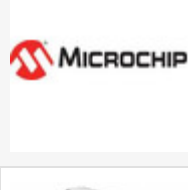
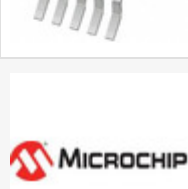
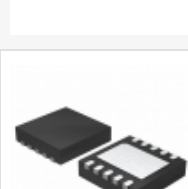
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                       |                                  |                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | MCP1827T-2502E/ET                                                     | Manufacturer                     | Micrel / Microchip Technology                                 |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC REG LINEAR 2.5V 1.5A 5DDPAK                                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 63916 pcs                                                             | Data sheet                       | MCP1827(S, ST, T)                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | Integrated Circuits (ICs)                                             | Voltage Dropout (Max)            | 0.6V @ 1.5A                                                   |
| Voltage - Output (Min/Fixed)                                                                                                                                                                                                                                                                                                                                                                                                               | 2.5V                                                                  | Voltage - Output (Max)           | -                                                             |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                      | 6V                                                                    | Supplier Device Package          | 5-DDPAK                                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                     | Protection Features              | Over Temperature, Short Circuit, Under Voltage Lockout (UVLO) |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                  | Tape & Reel (TR)                                                      | Package / Case                   | TO-263-6, D²Pak (5 Leads + Tab), TO-263BA                     |
| PSRR                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60dB (100Hz)                                                          | Output Type                      | Fixed                                                         |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                       | Positive                                                              | Other Names                      | MCP1827T-2502E/ET-ND<br>MCP1827T-2502E/ETTR                   |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 125°C                                                         | Number of Regulators             | 1                                                             |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                              | Surface Mount                                                         | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                 |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                            | 11 Weeks                                                              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                    |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                       | Linear Voltage Regulator IC Positive Fixed 1 Output 2.5V 1.5A 5-DDPAK | Current - Quiescent (Iq)         | 220µA                                                         |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.5A                                                                  | Control Features                 | Enable, Power Good                                            |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | MCP1827                                                               |                                  |                                                               |
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| RELATED PRODUCTS                                                                   |                                                                          |                                              |     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------|-----|
|  | Part#: MCP1827ST-5002E/EB<br>Description: IC REG LINEAR 5V 1.5A 3DDPAK   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP19035-BAAAE/MF<br>Description: IC REG CTRLR BUCK 10DFN         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-1802E/EB<br>Description: IC REG LINEAR 1.8V 1.5A 3DDPAK | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-1202E/EB<br>Description: IC REG LINEAR 1.2V 1.5A 3DDPAK | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-3002E/ET<br>Description: IC REG LINEAR 3V 1.5A 5DDPAK    | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-1202E/ET<br>Description: IC REG LINEAR 1.2V 1.5A 5DDPAK  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-1802E/ET<br>Description: IC REG LINEAR 1.8V 1.5A 5DDPAK  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP19035-AAAAE/MF<br>Description: IC REG CTRLR BUCK 10DFN         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-5002E/ET<br>Description: IC REG LINEAR 5V 1.5A 5DDPAK    | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-3002E/EB<br>Description: IC REG LINEAR 3V 1.5A 3DDPAK   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP19035-BAABE/MF<br>Description: IC REG CTRLR BUCK 10DFN         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-3302E/EB<br>Description: IC REG LINEAR 3.3V 1.5A 3DDPAK | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-3302E/ET<br>Description: IC REG LINEAR 3.3V 1.5A 5DDPAK  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP18480-I/SS<br>Description: IC HOT SWAP CTRLR -48V 20SSOP       | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP19035-AAABE/MF<br>Description: IC REG CTRLR BUCK 10DFN         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-0802E/ET<br>Description: IC REG LINEAR 0.8V 1.5A 5DDPAK  | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827T-ADJE/ET<br>Description: IC REG LIN POS ADJ 1.5A 5DDPAK   | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP18480T-I/SS<br>Description: IC HOT SWAP CTRLR -48V 20SSOP      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-2502E/EB<br>Description: IC REG LINEAR 2.5V 1.5A 3DDPAK | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1827ST-0802E/EB<br>Description: IC REG LINEAR 0.8V 1.5A 3DDPAK | Manufacturers: Micrel / Microchip Technology | RFQ |

|                                                 |                                        |                                        |                         |
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