

MCP1727T-ADJE/MF



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**Part Number:** [MCP1727T-ADJE/MF](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC REG LINEAR POS ADJ 1.5A 8DFN

**Data sheet:**  [MCP1727 Product Brief](#)  
 [Portable Power Conversion Design Guide](#)  
 [MCP1727 Datasheet](#)

**RoHs Status:** Lead free / RoHS Compliant

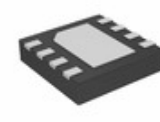
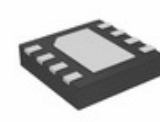
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| PRODUCT PARAMETER               |                                                                                          |                                  |                                                                                                                                      |
|---------------------------------|------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                     | MCP1727T-ADJE/MF                                                                         | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                                                        |
| Description                     | IC REG LINEAR POS ADJ 1.5A 8DFN                                                          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                           |
| Quantity Available              | 97327 pcs                                                                                | Data sheet                       | <a href="#">MCP1727 Product Brief</a><br><a href="#">Portable Power Conversion Design Guide</a><br><a href="#">MCP1727 Datasheet</a> |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                                | Voltage Dropout (Max)            | 0.55V @ 1.5A                                                                                                                         |
| Voltage - Output (Min/Fixed)    | 0.8V                                                                                     | Voltage - Output (Max)           | 5V                                                                                                                                   |
| Voltage - Input (Max)           | 6V                                                                                       | Supplier Device Package          | 8-DFN-EP (3x3)                                                                                                                       |
| Series                          | -                                                                                        | Protection Features              | Over Temperature, Short Circuit, Under Voltage Lockout (UVLO)                                                                        |
| Packaging                       | Tape & Reel (TR)                                                                         | Package / Case                   | 8-VDFN Exposed Pad                                                                                                                   |
| PSRR                            | 60dB (100Hz)                                                                             | Output Type                      | Adjustable                                                                                                                           |
| Output Configuration            | Positive                                                                                 | Other Names                      | MCP1727T-ADJE/MF-ND<br>MCP1727T-ADJE/MFTR                                                                                            |
| Operating Temperature           | -40°C ~ 125°C (TJ)                                                                       | Number of Regulators             | 1                                                                                                                                    |
| Mounting Type                   | Surface Mount                                                                            | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                                                        |
| Manufacturer Standard Lead Time | 10 Weeks                                                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                                           |
| Detailed Description            | Linear Voltage Regulator IC Positive Adjustable 1 Output 0.8 V ~ 5 V 1.5A 8-DFN-EP (3x3) | Current - Quiescent (Iq)         | 220µA                                                                                                                                |
| Current - Output                | 1.5A                                                                                     | Control Features                 | Enable, Power Good                                                                                                                   |
| Base Part Number                | MCP1727                                                                                  |                                  |                                                                                                                                      |

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|  | Part#: <a href="#">MCP1727T-ADJE/SN</a><br>Description: IC REG LINEAR POS ADJ 1.5A 8SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCP1754ST-3302E/MB</a><br>Description: IC REG LINEAR 3.3V 150MA SOT89-3 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1727T-3002E/SN</a><br>Description: IC REG LINEAR 3V 1.5A 8SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1754ST-3302E/DB</a><br>Description: IC REG LIN 3.3V 150MA SOT223-3   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1754ST-1802E/DB</a><br>Description: IC REG LDO 1.8V 0.15A SOT223-3   | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
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|  | Part#: <a href="#">MCP1754ST-1802E/MC</a><br>Description: IC REG LINEAR 1.8V 150MA 8DFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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