

MCP16322T-180E/NG





Part Number: MCP16322T-180E/NG

Manufacturer: Micrel / Microchip Technology

Description: IC REG BUCK 1.8V 2A SYNC 16-VQFN

Data sheet:  [Portable Power Conversion Design Guide](#)  
 [MCP16321,2 Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

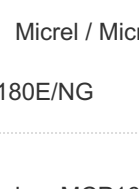
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                  |                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | MCP16322T-180E/NG                         | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC REG BUCK 1.8V 2A SYNC 16-VQFN          | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 52727 pcs                                 | Data sheet                       | <a href="#">Portable Power Conversion Design Guide</a><br><a href="#">MCP16321,2 Datasheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Output (Min/Fixed)     | 1.8V                                                                                           |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Voltage - Input (Min)            | 6V                                                                                             |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                      | 24V                                       | Topology                         | Buck                                                                                           |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                       | Supplier Device Package          | 16-QFN (3x3)                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                         | Packaging                        | Cut Tape (CT)                                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 16-VQFN Exposed Pad                       | Output Type                      | Fixed                                                                                          |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                       | Positive                                  | Other Names                      | MCP16322T-180E/NGCT                                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 125°C (TJ)                        | Number of Outputs                | 1                                                                                              |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                              | Surface Mount                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                             | Lead free / RoHS Compliant                | Function                         | Step-Down                                                                                      |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                      | 1MHz                                      | Detailed Description             | Buck Switching Regulator IC Positive Fixed 1.8V 1 Output 2A 16-VQFN Exposed Pad                |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                           | 2A                                        | Base Part Number                 | MCP16322                                                                                       |
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