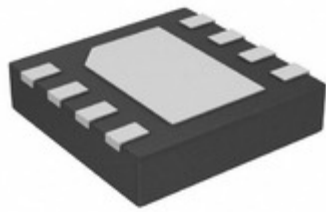


MCP1612-ADJI/MF





Part Number:

MCP1612-ADJI/MF

Manufacturer:

Micrel / Microchip Technology

Description:

IC REG BUCK ADJ 1A SYNC 8DFN

Data sheet:

Development Tools Catalog

MCP1612

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

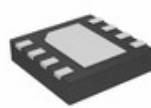
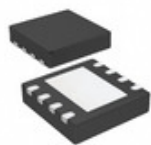
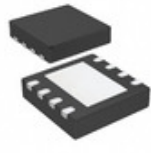
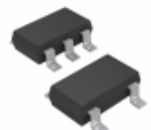
Shipment Way:

DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                 |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MCP1612-ADJI/MF                           | Manufacturer                    | <a href="#">Micrel / Microchip Technology</a>                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC REG BUCK ADJ 1A SYNC 8DFN              | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 82132 pcs                                 | Data sheet                      | <a href="#">Development Tools Catalog</a><br><a href="#">MCP1612</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Output (Min/Fixed)    | 0.8V                                                                                |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5V                                        | Voltage - Input (Min)           | 2.7V                                                                                |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5.5V                                      | Topology                        | Buck                                                                                |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Yes                                       | Supplier Device Package         | 8-DFN-EP (3x3)                                                                      |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -                                         | Packaging                       | Tube                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 8-VDFN Exposed Pad                        | Output Type                     | Adjustable                                                                          |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Positive                                  | Operating Temperature           | -40°C ~ 125°C (TJ)                                                                  |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 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                | Function                        | Step-Down                                                                           |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.4MHz                                    | Detailed Description            | Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 1A 8-VDFN Exposed Pad |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1A                                        | Base Part Number                | MCP1612                                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                              |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCP1612T-ADJI/MF</a><br>Description: IC REG BUCK ADJ 1A SYNC 8DFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1612-ADJI/MS</a><br>Description: IC REG BUCK ADJ 1A SYNC 8MSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1623T-I/CHY</a><br>Description: IC CONV PIC MICROCTRLR SOT-23-6    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-180I/OS</a><br>Description: IC REG BCK 1.8V 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-150I/MC</a><br>Description: IC REG BUCK 1.5V 0.5A SYNC 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1624T-I/CHY</a><br>Description: IC CONV PIC MICROCTRLR SOT-23-6    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1624-I/MC</a><br>Description: IC BOOST REG PWM/PFM 8DFN            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-330I/MC</a><br>Description: IC REG BUCK 3.3V 0.5A SYNC 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1624T-I/MC</a><br>Description: IC BOOST SYNC REG PWM/PFM 8DFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1612EV</a><br>Description: BOARD EVAL FOR MCP1612                  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-ADJI/OS</a><br>Description: IC REG BUCK ADJ 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-250I/MC</a><br>Description: IC REG BUCK 2.5V 0.5A SYNC 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-150I/OS</a><br>Description: IC REG BCK 1.5V 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1623-I/MC</a><br>Description: IC BOOST REG PWM/PFM 8DFN            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-180I/MC</a><br>Description: IC REG BUCK 1.8V 0.5A SYNC 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-330I/OS</a><br>Description: IC REG BCK 3.3V 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-120I/OS</a><br>Description: IC REG BCK 1.2V 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1623T-I/MC</a><br>Description: IC BOOST SYNC REG PWM 8DFN          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1612T-ADJI/MS</a><br>Description: IC REG BUCK ADJ 1A SYNC 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1603T-250I/OS</a><br>Description: IC REG BCK 2.5V 0.5A SYNC TSOT23 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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