

MCP1406T-E/MF



Part Number: MCP1406T-E/MF

Manufacturer: Micrel / Microchip Technology

Description: IC MOSFET DRIVER 6A HS 8DFN

Data sheet:  MCP1406,07

RoHs Status: Lead free / RoHS Compliant

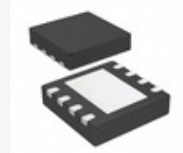
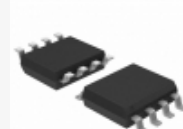
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                  |                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MCP1406T-E/MF                             | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MOSFET DRIVER 6A HS 8DFN               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 70895 pcs                                 | Data sheet                       | <a href="#">MCP1406,07</a>                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply                 | 4.5 V ~ 18 V                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8-DFN-S (6x5)                             | Series                           | -                                               |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 20ns, 20ns                                | Packaging                        | Tape & Reel (TR)                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8-VDFN Exposed Pad                        | Other Names                      | MCP1406T-E/MFTR                                 |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 150°C (TJ)                        | Number of Drivers                | 1                                               |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Surface Mount                             | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                   |
| Logic Voltage - VIL, VIH                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.8V, 2.4V                                | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                      |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Inverting                                 | Gate Type                        | IGBT, N-Channel, P-Channel MOSFET               |
| Driven Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Low-Side                                  | Detailed Description             | Low-Side Gate Driver IC Inverting 8-DFN-S (6x5) |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6A, 6A                                    | Channel Type                     | Single                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MCP1406                                   |                                  |                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCP1406-E/AT</a><br>Description: IC MOSFET DVR 6A TO220-5          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1405T-E/SO</a><br>Description: IC MOSFET DVR 4.5A DUAL 16SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1405T-E/MF</a><br>Description: IC MOSFET DRIVER 4.5A DUAL 8DFN  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1405-E/SO</a><br>Description: IC MOSFET DVR 4.5A DUAL 16SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407-E/SN</a><br>Description: IC MOSFET DVR 6A 8SOIC            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407-E/P</a><br>Description: IC MOSFET DVR 6A 8DIP              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1405T-E/SNVAO</a><br>Description: 4.5A DUAL MOSFET DRIVER       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1415T-E/MC</a><br>Description: MOSFET DRVR 1.5A SGL HS 8DFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1406-E/P</a><br>Description: IC MOSFET DVR 6A 8DIP              | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407T-E/SNVAO</a><br>Description: NEW GEN 6 AMP MOSFET DRIVER   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407-E/MF</a><br>Description: IC MOSFET DVR 6A 8DFN             | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407T-E/SN</a><br>Description: IC MOSFET DRIVER 6A HS 8SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1406-E/SN</a><br>Description: IC MOSFET DVR 6A 8SOIC            | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCP1405T-E/SN</a><br>Description: IC MOSFET DRIVER 4.5A DUAL 8SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1406-E/MFVAO</a><br>Description: NEW GEN 6 AMP MOSFET DRIVER    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCP1407-E/AT</a><br>Description: IC MOSFET DVR 6A TO220-5          | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

| Related keywords for MCP1406T-E/MF          |                                    |                                        |                     |
|---------------------------------------------|------------------------------------|----------------------------------------|---------------------|
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