

MIC4420BM





Part Number: [MIC4420BM](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC DRIVER MOSFET 6A LOSIDE 8SOIC

Data sheet:  [MIC442\(0,9\)](#)

RoHs Status: Contains lead / RoHS non-compliant

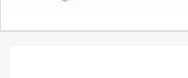
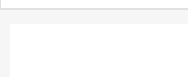
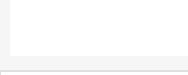
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                              |                                      |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MIC4420BM                                    | Manufacturer                         | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC DRIVER MOSFET 6A LOSIDE 8SOIC             | Lead Free Status / RoHS Status       | Contains lead / RoHS non-compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 60648 pcs                                    | Data sheet                           | <a href="#">MIC442(0,9)</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>    | Voltage - Supply                     | 4.5 V ~ 18 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-SOIC                                       | Series                               | -                                             |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12ns, 13ns                                   | Packaging                            | Tube                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8-SOIC (0.154", 3.90mm Width)                | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Contains lead / RoHS non-compliant           | Input Type                           | Non-Inverting                                 |
| Gate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N-Channel, P-Channel MOSFET                  | Driven Configuration                 | Low-Side                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Low-Side Gate Driver IC Non-Inverting 8-SOIC | Current - Peak Output (Source, Sink) | 6A, 6A                                        |
| Channel Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Single                                       | Base Part Number                     | MIC4420                                       |
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| RELATED PRODUCTS                                                                   |                                                                                       |                                                              |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MIC4416BM4 TR</a><br>Description: IC DRIVER MOSF LOW SIDE SOT143-4 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4420BN</a><br>Description: IC DRIVER MOSFET 6A LO SIDE 8DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4417BM4 TR</a><br>Description: IC DRIVER MOSF LOW SIDE SOT143-4 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4420YM-TR</a><br>Description: IC DRIVER MOSFET 6A LOSIDE 8SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4414YFT-T5</a><br>Description: IC DVR MOSFET LOW SIDE 4TQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4417YM4-TR</a><br>Description: IC DRIVER MOSF LOW SIDE SOT143-4 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4420BMM-TR</a><br>Description: IC DRIVER MOSFET 6A LS 8-MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC4420CT</a><br>Description: IC DRIVER MOSFET 6A LS TO-220-5      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC4420BMM</a><br>Description: IC DRIVER MOSFET 6A LS 8-MSOP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC4416YM4-TR</a><br>Description: IC DRIVER MOSF LOW SIDE SOT143-4 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4415YFT-T5</a><br>Description: IC DVR MOSFET LOW SIDE 4TQFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4420CM</a><br>Description: IC DRIVER MOSFET 6A LOSIDE 8SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4420CM-TR</a><br>Description: IC DRIVER MOSFET 6A LS 8-SOIC     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4225YMME-TR</a><br>Description: IC MOSFET DVR DUAL-NON 4A 8MSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                         |                                |                                                     |                 |
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