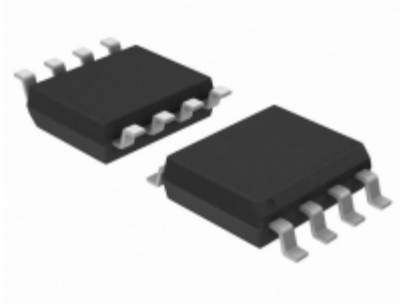


MIC4451BM





Part Number: [MIC4451BM](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC DRIVER MOSF 12A LO SIDE 8SOIC

Data sheet:  [MIC4451, MIC4452](#)

RoHs Status: Contains lead / RoHS non-compliant

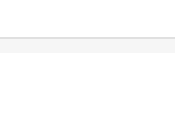
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy MIC4451BM with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                           |                                      |                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MIC4451BM                                 | Manufacturer                         | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | IC DRIVER MOSF 12A LO SIDE 8SOIC          | Lead Free Status / RoHS Status       | Contains lead / RoHS non-compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 56490 pcs                                 | Data sheet                           | <a href="#">MIC4451, MIC4452</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)                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 20ns, 24ns                                | Packaging                            | Tube                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8-SOIC (0.154", 3.90mm Width)             | Operating Temperature                | -40°C ~ 85°C (TA)                             |
| 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                           | Inverting                                     |
| Gate Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IGBT, N-Channel MOSFET                    | Driven Configuration                 | Low-Side                                      |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Low-Side Gate Driver IC Inverting 8-SOIC  | Current - Peak Output (Source, Sink) | 12A, 12A                                      |
| Channel Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Single                                    | Base Part Number                     | MIC4451                                       |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                              |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MIC4451ABM</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451BN</a><br>Description: IC DRIVER MOSF 12A LO SIDE 8DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429ZM</a><br>Description: IC DRIVER MOSFET 6A LS 8-SOIC      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451ZT</a><br>Description: IC DRIVER MOSFET 12A HS TO220-5    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451BM-TR</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429YMM</a><br>Description: IC DRIVER MOSFET 6A LS 8-MSOP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429YN</a><br>Description: IC DRIVER MOSFET 6A LS 8-DIP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429YMM-TR</a><br>Description: IC DRIVER MOSFET 6A LS 8-MSOP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429ZN</a><br>Description: IC DRIVER MOSFET 6A LO SIDE 8DIP   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4452ABN</a><br>Description: IC DRIVER MOSFET 12A HS 8-DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451YM-TR</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429ZT</a><br>Description: IC MOSFET DVR 6A LO SIDE TO220-5   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451YN</a><br>Description: IC DRIVER MOSF 12A LO SIDE 8DIP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4429ZM-TR</a><br>Description: IC DRIVER MOSFET 6A LS 8-SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451CT</a><br>Description: IC DRIVER MOSFET 12A HS TO-220-5   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451ABN</a><br>Description: IC DRIVER MOSFET 12A HS 8-DIP     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451YM</a><br>Description: IC DRIVER MOSF 12A LO SIDE 8SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4452ABM-TR</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4452ABM</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC4451ABM-TR</a><br>Description: IC DRIVER MOSFET 12A HS 8-SOIC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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