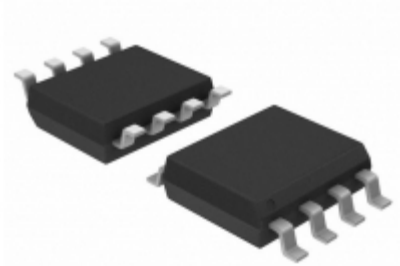


MIC2042-2YM





Part Number: [MIC2042-2YM](#)

Manufacturer [Micrel / Microchip Technology](#)

Description [IC DISTRIBUTION SW SGL 8-SOIC](#)

Data sheet:  [MIC2042/2043](#)

RoHs Status: [Lead free / RoHS Compliant](#)

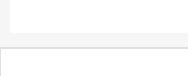
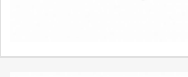
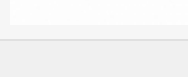
Ship From: [Hong Kong](#)

Shipment Way: [DHL/Fedex/TNT/UPS/EMS](#)

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                            |                                  |                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|-------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MIC2042-2YM                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC DISTRIBUTION SW SGL 8-SOIC              | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 63272 pcs                                  | Data sheet                       | <a href="#">MIC2042/2043</a>                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a>  | Voltage - Supply (Vcc/Vdd)       | 1.6 V ~ 5.5 V                                                           |
| Voltage - Load                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1.6 V ~ 5.5 V                              | Switch Type                      | General Purpose                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 8-SOIC                                     | Series                           | -                                                                       |
| Rds On (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 40 mOhm                                    | Ratio - Input:Output             | 1:1                                                                     |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Tube                                       | Package / Case                   | 8-SOIC (0.154", 3.90mm Width)                                           |
| Output Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N-Channel                                  | Output Configuration             | High Side                                                               |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 576-1697-5<br>MIC2042-2YM-ND<br>MIC20422YM | Operating Temperature            | -40°C ~ 85°C (TA)                                                       |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1                                          | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 6 Weeks                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                              |
| Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | On/Off                                     | Input Type                       | Non-Inverting                                                           |
| Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Slew Rate Controlled, Status Flag          | Fault Protection                 | Current Limiting (Adjustable), Open Load Detect, Over Temperature, UVLO |
| Current - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3A                                         | Base Part Number                 | MIC2042                                                                 |
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|  | Part#: <a href="#">MIC2043-1YTS</a><br>Description: IC DISTRIBUTION SW SGL 14-TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2042-2BTS</a><br>Description: IC DISTRIBUTION SW SGL 14-TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2043-1BTS-TR</a><br>Description: IC DISTRIBUTION SW SGL 14-TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2042-1YTS</a><br>Description: IC DISTRIBUTION SW SGL 14-TSSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC2042-2YM-TR</a><br>Description: IC DISTRIBUTION SW SGL 8-SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC2043-1YM</a><br>Description: IC DISTRIBUTION SW SGL 8-SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC2042-2BM</a><br>Description: IC DISTRIBUTION SW SGL 8-SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2042-2BTS-TR</a><br>Description: IC DISTRIBUTION SW SGL 14-TSSOP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC2042-2BM-TR</a><br>Description: IC DISTRIBUTION SW SGL 8-SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC2043-1BM</a><br>Description: IC DISTRIBUTION SW SGL 8-SOIC       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

|                                           |                                  |                                                    |                   |
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