

MIC38HC42YN



Part Number: [MIC38HC42YN](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG CTRLR PWM CM 8-DIP

Data sheet:  [MIC38HC42, 43, 44, 45](#)

RoHs Status: Lead free / RoHS Compliant

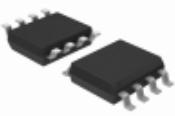
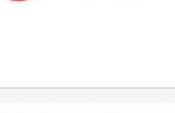
Ship From: Hong Kong

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |                                  |                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-----------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MIC38HC42YN                               | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | IC REG CTRLR PWM CM 8-DIP                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50557 pcs                                 | Data sheet                       | <a href="#">MIC38HC42, 43, 44, 45</a>                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)       | 9 V ~ 20 V                                                            |
| Voltage - Start Up                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 14.5V                                     | Voltage - Breakdown              | -                                                                     |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Boost, Buck, Flyback, Forward             | Supplier Device Package          | 8-DIP                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -                                         | Packaging                        | Tube                                                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8-DIP (0.300", 7.62mm)                    | Output Isolation                 | Isolated                                                              |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 576-2297<br>MIC38HC42YN-ND                | Operating Temperature            | -40°C ~ 150°C (TJ)                                                    |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Through Hole                              | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                         |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Lead free / RoHS Compliant                | Internal Switch(s)               | Yes                                                                   |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 500kHz                                    | Fault Protection                 | -                                                                     |
| Duty Cycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 96%                                       | Detailed Description             | Converter Offline Boost, Buck, Flyback, Forward Topology 500kHz 8-DIP |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Frequency Control                         | Base Part Number                 | MIC38HC42                                                             |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
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|  | Part#: <a href="#">MIC38HC42-1BN</a><br>Description: IC REG CTRLR PWM CM 14DIP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC38HC42BM-TR</a><br>Description: IC REG CTRLR PWM CM 8SOIC        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC38HC43-1YN</a><br>Description: IC REG CTRLR MULT TOPOLOGY 14DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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Related keywords for MIC38HC42YN

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