

MIC38HC42-1BM



Part Number: [MIC38HC42-1BM](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG CTRLR PWM CM 14-SOIC

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

RoHs Status: Contains lead / RoHS non-compliant

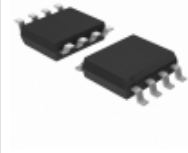
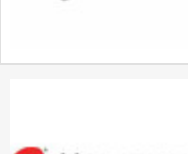
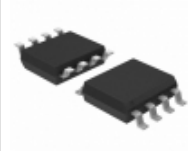
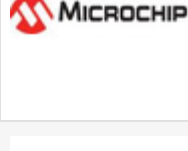
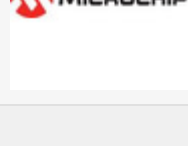
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                         |                                |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MIC38HC42-1BM                                                           | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | IC REG CTRLR PWM CM 14-SOIC                                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37191 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        | 14-SOIC                                       |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                       | Packaging                      | Tube                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 14-SOIC (0.154", 3.90mm Width)                                          | Output Isolation               | Isolated                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 150°C (TJ)                                                      | Mounting Type                  | Surface Mount                                 |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 (Unlimited)                                                           | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant            |
| Internal Switch(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                     | Frequency - Switching          | 500kHz                                        |
| Fault Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                       | Duty Cycle                     | 96%                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Converter Offline Boost, Buck, Flyback, Forward Topology 500kHz 14-SOIC | Control Features               | Frequency Control                             |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MIC38HC42                                                               |                                |                                               |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                              |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MIC38C45BMM</a><br>Description: IC REG CTRLR MULT TOPOLOGY 8MSOP    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC38HC42YM</a><br>Description: IC REG CTRLR PWM CM 8SOIC           | Manufacturers: <a href="#">Microchip Technology</a>          | <div>RFQ</div> |
|  | Part#: <a href="#">MIC38C45BM-TR</a><br>Description: IC REG CTRLR MULT TOPOLOGY 8SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC38HC42-1YN</a><br>Description: IC REG CTRLR PWM CM 14DIP         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|                                             |                                    |                                        |                     |
|---------------------------------------------|------------------------------------|----------------------------------------|---------------------|
| Related keywords for <b>MIC38HC42-1BM</b>   |                                    |                                        |                     |
| Micrel / Microchip Technology MIC38HC42-1BM | MIC38HC42-1BM distributor          | MIC38HC42-1BM supplier                 | MIC38HC42-1BM price |
| MIC38HC42-1BM download datasheet            | MIC38HC42-1BM datasheet            | MIC38HC42-1BM stock                    | buy MIC38HC42-1BM   |
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