

MIC5301-2.85YMT-TR





Part Number: [MIC5301-2.85YMT-TR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC REG LINEAR 2.85V 150mA 6TMLF

Data sheet:  [MIC5301](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                   |                                  |                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MIC5301-2.85YMT-TR                                                                | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC REG LINEAR 2.85V 150mA 6TMLF                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                               |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 103450 pcs                                                                        | Data sheet                       | <a href="#">MIC5301</a>                                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>                                         | Voltage Dropout (Max)            | 0.1V @ 150mA                                                                             |
| Voltage - Output (Min/Fixed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.85V                                                                             | Voltage - Output (Max)           | -                                                                                        |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5.5V                                                                              | Supplier Device Package          | 6-TMLF® (1.6x1.6)                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                 | Protection Features              | Over Current, Over Temperature                                                           |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Tape & Reel (TR)                                                                  | Package / Case                   | 6-UFDN Exposed Pad, 6-TMLF®                                                              |
| PSRR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 75dB ~ 50dB (1kHz ~ 20kHz)                                                        | Output Type                      | Fixed                                                                                    |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Positive                                                                          | Other Names                      | MIC5301-2.85YMT TR<br>MIC5301-2.85YMT TR-ND<br>MIC5301-2.85YMTTR<br>MIC5301-2.85YMTTR-ND |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -40°C ~ 125°C                                                                     | Number of Regulators             | 1                                                                                        |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Surface Mount                                                                     | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                                            |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 5 Weeks                                                                           | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Linear Voltage Regulator IC Positive Fixed 1 Output 2.85V 150mA 6-TMLF® (1.6x1.6) | Current - Quiescent (Iq)         | 120µA                                                                                    |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 150mA                                                                             | Control Features                 | Enable                                                                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MIC5301                                                                           |                                  |                                                                                          |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                              |                |
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|  | Part#: <a href="#">MIC5301-2.8YD5-TR</a><br>Description: IC REG LIN 2.8V 150mA TSOT23-5   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MIC5301-2.9YMT-TR</a><br>Description: IC REG LINEAR 2.9V 150mA 6TMLF   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MIC5301-1.8YMT-TR</a><br>Description: IC REG LINEAR 1.8V 150mA 6TMLF   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
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