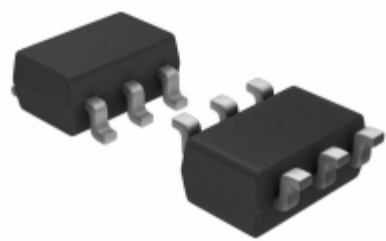


MCP16251T-I/CH





Part Number: MCP16251T-I/CH

Manufacturer: Micrel / Microchip Technology

Description: IC REG BST ADJ 0.1A SYNC SOT23-6

Data sheet:  Portable Power Conversion Design Guide

 MCP16251/52 Datasheet

RoHs Status: Lead free / RoHS Compliant

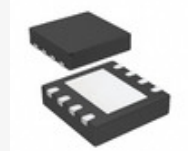
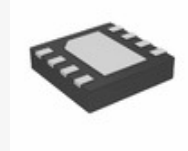
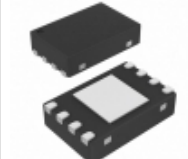
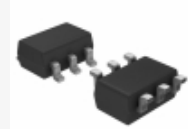
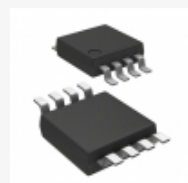
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
Buy MCP16251T-I/CH with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |                                  |                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | MCP16251T-I/CH                                                                         | Manufacturer                     | Micrel / Microchip Technology                                   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC REG BST ADJ 0.1A SYNC SOT23-6                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 145427 pcs                                                                             | Data sheet                       | Portable Power Conversion Design Guide<br>MCP16251/52 Datasheet |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | Integrated Circuits (ICs)                                                              | Voltage - Output (Min/Fixed)     | 1.8V                                                            |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                   | 5.5V                                                                                   | Voltage - Input (Min)            | 0.82V                                                           |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.5V                                                                                   | Topology                         | Boost                                                           |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                    | Supplier Device Package          | SOT-23-6                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                      | Packaging                        | Tape & Reel (TR)                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | SOT-23-6                                                                               | Output Type                      | Adjustable                                                      |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                     | Positive                                                                               | Other Names                      | MCP16251T-I/CH-ND<br>MCP16251T-I/CHTR                           |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 85°C (TJ)                                                                      | Number of Outputs                | 1                                                               |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                            | Surface Mount                                                                          | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                                   |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                          | 16 Weeks                                                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                      |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                 | Step-Up                                                                                | Frequency - Switching            | 500kHz                                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                     | Boost Switching Regulator IC Positive Adjustable 1.8V 1 Output 100mA (Switch) SOT-23-6 | Current - Output                 | 100mA (Switch)                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | MCP16251                                                                               |                                  |                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                              |                                              |     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------|-----|
|  | Part#: MCP1624-I/MC<br>Description: IC BOOST REG PWM/PFM 8DFN                | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1612T-ADJ/MS<br>Description: IC REG BUCK ADJ 1A SYNC 8MSOP         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16301HT-E/CH<br>Description: IC REG BUCK ADJ 0.6A SOT23-6          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1630-E/MC<br>Description: IC REG CTRLR MULT TOPOLOGY 8DFN          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16301T-450E/CHVAO<br>Description: ASYNCHRONOUS BUCK VOLTAGE REGULA | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1612T-ADJ/MF<br>Description: IC REG BUCK ADJ 1A SYNC 8DFN          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16251T-I/MNY<br>Description: IC REG BOOST ADJ 0.1A SYNC 8TDFN      | Manufacturers: Microchip Technology          | RFQ |
|  | Part#: MCP1623T-I/CHY<br>Description: IC CONV PIC MICROCTRLR SOT-23-6        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16301T-E/CH<br>Description: IC REG BUCK ADJ 0.6A SOT23-6           | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16252T-I/CH<br>Description: IC REG BST ADJ 0.1A SYNC SOT23-6       | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16252T-I/MNY<br>Description: IC REG BOOST ADJ 0.1A SYNC 8TDFN      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1630-E/MSVAO<br>Description: HIGH SPEED PULSE WIDTH MODULATOR      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1623T-I/MC<br>Description: IC BOOST SYNC REG PWM/PFM 8DFN          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1612EV<br>Description: BOARD EVAL FOR MCP1612                      | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP16301T-E/CHVAO<br>Description: ASYNCHRONOUS BUCK VOLTAGE REGULA    | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1623-I/MC<br>Description: IC BOOST REG PWM/PFM 8DFN                | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1630-E/MS<br>Description: IC REG CTRLR MULT TOPOLOGY 8MSOP         | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1624T-I/MC<br>Description: IC BOOST SYNC REG PWM/PFM 8DFN          | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1624T-I/CHY<br>Description: IC CONV PIC MICROCTRLR SOT-23-6        | Manufacturers: Micrel / Microchip Technology | RFQ |
|  | Part#: MCP1612-ADJ/MS<br>Description: IC REG BUCK ADJ 1A SYNC 8MSOP          | Manufacturers: Micrel / Microchip Technology | RFQ |

|                                              |                                     |                                        |                      |
|----------------------------------------------|-------------------------------------|----------------------------------------|----------------------|
| Micrel / Microchip Technology MCP16251T-I/CH | MCP16251T-I/CH distributor          | MCP16251T-I/CH supplier                | MCP16251T-I/CH price |
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