

S-8521E18MC-BLDT2U



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SII Semiconductor Corporation

**Part Number:** [S-8521E18MC-BLDT2U](#)

**Manufacturer:** [SII Semiconductor Corporation](#)

**Description:** IC REG CTRLR BUCK SOT23-5

**Data sheet:**  [S-8520/8521 Series](#)

**RoHs Status:** Lead free / RoHS Compliant

**Ship From:** Hong Kong

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

[Request For Quotation](#)

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |                                 |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------|-----------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                  | S-8521E18MC-BLDT2U                                                    | Manufacturer                    | <a href="#">SII Semiconductor Corporation</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC REG CTRLR BUCK SOT23-5                                             | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                    |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 144302 pcs                                                            | Data sheet                      | <a href="#">S-8520/8521 Series</a>            |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                             | Voltage - Supply (Vcc/Vdd)      | 2.5 V ~ 10 V                                  |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                     | Buck                                                                  | Synchronous Rectifier           | No                                            |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                      | SOT-23-5                                                              | Series                          | -                                             |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                     | Packaging                       | Tape & Reel (TR)                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                               | SC-74A, SOT-753                                                       | Output Type                     | Transistor Driver                             |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                                | 1                                                                     | Output Configuration            | Positive                                      |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                        | -40°C ~ 85°C (TA)                                                     | Number of Outputs               | 1                                             |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                             | 1 (Unlimited)                                                         | Manufacturer Standard Lead Time | 20 Weeks                                      |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                            | Function                        | Step-Down                                     |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                        | 300kHz                                                                | Duty Cycle (Max)                | 100%                                          |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                         | Buck Regulator Positive Output Step-Down DC-DC Controller IC SOT-23-5 | Control Features                | Enable                                        |
| Clock Sync                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                    |                                 |                                               |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                                              |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">S-8521E19MC-BLET2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521D52MC-BYLT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E15MC-BLAT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E16MC-BLBT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521D52MC-BYLT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E17MC-BLCT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E18MC-BLDT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E19MC-BLET2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E25MC-BLKT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E25MC-BLKT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E15MC-BLAT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E30MC-BLPT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E22MC-BLHT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E17MC-BLCT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E20MC-BLFT2G</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E22MC-BLHT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521D55MC-BYOT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E20MC-BLFT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E16MC-BLBT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">S-8521E30MC-BLPT2U</a><br>Description: IC REG CTRLR BUCK SOT23-5 | Manufacturers: <a href="#">SII Semiconductor Corporation</a> | <a href="#">RFQ</a> |

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