

ISL6613ECBZ



  
A Renesas Company

**Part Number:** [ISL6613ECBZ](#)

**Manufacturer:** [Intersil](#)

**Description:** IC MOSFET DRVR SYNC BUCK 8EPSOIC

**Data sheet:**  [ISL6612, ISL6613](#)

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

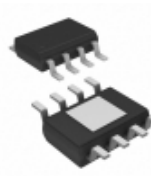
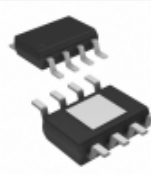
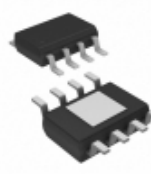
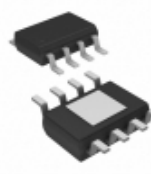
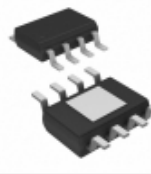
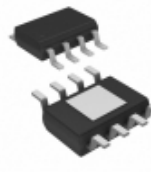
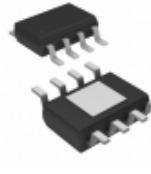
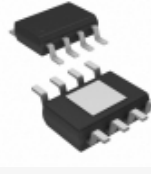
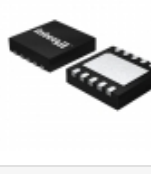
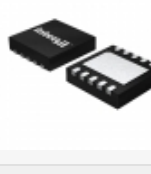
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|----------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                 | ISL6613ECBZ                               | Manufacturer                   | <a href="#">Intersil</a>                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MOSFET DRVR SYNC BUCK 8EPSOIC          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                         |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                          | 5545 pcs                                  | Data sheet                     | <a href="#">ISL6612, ISL6613</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 10.8 V ~ 13.2 V                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                     | 8-SOIC-EP                                 | Series                         | -                                                  |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                      | 26ns, 18ns                                | Packaging                      | Tube                                               |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                              | 8-SOIC (0.154", 3.90mm Width) Exposed Pad | Operating Temperature          | 0°C ~ 125°C (TJ)                                   |
| Number of Drivers                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                         | Mounting Type                  | Surface Mount                                      |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                             | Logic Voltage - VIL, VIH       | -                                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                              | Lead free / RoHS Compliant                | Input Type                     | Non-Inverting                                      |
| High Side Voltage - Max (Bootstrap)                                                                                                                                                                                                                                                                                                                                                                                                         | 36V                                       | Gate Type                      | N-Channel MOSFET                                   |
| Driven Configuration                                                                                                                                                                                                                                                                                                                                                                                                                        | Half-Bridge                               | Detailed Description           | Half-Bridge Gate Driver IC Non-Inverting 8-SOIC-EP |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                        | 1.25A, 2A                                 | Channel Type                   | Synchronous                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | ISL6613                                   |                                |                                                    |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                         |                     |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|---------------------|
|  | Part#: <a href="#">ISL6613ECBZR5214</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC   | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613ECB</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC         | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613EIBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC      | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613ECBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC      | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CRZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN          | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613EIB</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC         | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613EIBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC        | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613IB</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC           | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613ECBZ-TR5214</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613ECB-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC       | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC          | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613IB-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC         | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613EIB-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC       | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CBZ-TR5214</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC   | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CR</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN           | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC        | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613IBZ</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC          | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CBZR5214</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC     | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CRZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN        | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6613CR-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN         | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |

| Related keywords for ISL6613ECBZ |                         |                      |                   |
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