

ISL8105BCBZ



A Renesas Company

Part Number: [ISL8105BCBZ](#)

Manufacturer: [Intersil](#)

Description: IC REG CTRLR BUCK 8SOIC

Data sheet:  [ISL8105B](#)

RoHs Status: Lead free / RoHS Compliant

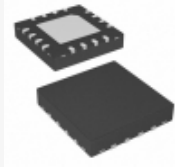
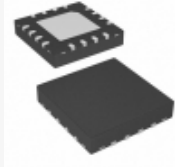
Ship From: Hong Kong

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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                                                                                                                                                                                                                                                                                                                                                                                  | ISL8105BCBZ                               | Manufacturer                   | <a href="#">Intersil</a>                                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                  | IC REG CTRLR BUCK 8SOIC                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                           | 4725 pcs                                  | Data sheet                     | <a href="#">ISL8105B</a>                                            |
| Category                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 6.5 V ~ 14.4 V                                                      |
| Topology                                                                                                                                                                                                                                                                                                                                                                                     | Buck                                      | Synchronous Rectifier          | Yes                                                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                      | 8-SOIC                                    | Series                         | -                                                                   |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                            | -                                         | Packaging                      | Tube                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                               | 8-SOIC (0.154", 3.90mm Width)             | Output Type                    | Transistor Driver                                                   |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                | 1                                         | Output Configuration           | Positive                                                            |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                        | 0°C ~ 70°C (TA)                           | Number of Outputs              | 1                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                             | 3 (168 Hours)                             | 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 8-SOIC |
| Control Features                                                                                                                                                                                                                                                                                                                                                                             | Current Limit, Enable                     | Clock Sync                     | No                                                                  |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                             | ISL8105B                                  |                                |                                                                     |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Intersil series electronic components. We have 4725 pieces of Intersil ISL8105BCBZ in stock available now.<br>Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: info@Components-World.com |                                           |                                |                                                                     |

| RELATED PRODUCTS                                                                   |                                                                                     |                                         |                |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------|----------------|
|  | Part#: <a href="#">ISL8105BEVAL2Z</a><br>Description: EVALUATION BOARD FOR ISL8105B | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BCRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BIBZ</a><br>Description: IC REG CTRLR BUCK 8SOIC          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8104IRZ</a><br>Description: IC REG CTRLR BUCK 16QFN           | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BCBZ-T</a><br>Description: IC REG CTRLR BUCK 8SOIC        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105ACRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BEVAL1Z</a><br>Description: EVAL BOARD ISL8105B           | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105CRZ</a><br>Description: IC REG CTRLR BUCK 10DFN           | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BIBZ-T</a><br>Description: IC REG CTRLR BUCK 8SOIC        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105AIRZ-T</a><br>Description: IC REG CTRLR BUCK 10DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BCRZ-T</a><br>Description: IC REG CTRLR BUCK 10DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105ACRZ-T</a><br>Description: IC REG CTRLR BUCK 10DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105AEVAL1Z</a><br>Description: EVALUATION BOARD FOR ISL8105A | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8104IRZ-T</a><br>Description: IC REG CTRLR BUCK 16QFN         | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105AIBZ-T</a><br>Description: IC REG CTRLR BUCK 8SOIC        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BIRZ-T</a><br>Description: IC REG CTRLR BUCK 10DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8104IBZ-T</a><br>Description: IC REG CTRLR BUCK 14SOIC        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL8105BIRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105AIRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |

| Related keywords for ISL8105BCBZ |                         |                      |                   |
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| Intersil ISL8105BCBZ             |                         |                      |                   |