

ISL8105AIRZ



**Part Number:** ISL8105AIRZ

**Manufacturer:** Intersil

**Description:** IC REG CTRLR BUCK 10DFN

**Data sheet:**  [ISL8105\(A\)](#)

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

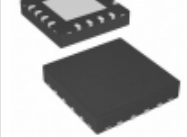
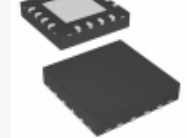
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                           |                                 |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                               | ISL8105AIRZ                                                               | Manufacturer                    | <a href="#">Intersil</a>   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                               | IC REG CTRLR BUCK 10DFN                                                   | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                        | 64854 pcs                                                                 | Data sheet                      | <a href="#">ISL8105(A)</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                                                                                                                                                                                                                                                                                                                                                                                                                   | 10-DFN (3x3)                                                              | Series                          | -                          |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                         | -                                                                         | Packaging                       | Tube                       |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                            | 10-VDFN Exposed Pad                                                       | 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)                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                                             | Manufacturer Standard Lead Time | 11 Weeks                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                | Function                        | Step-Down                  |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                     | 600kHz                                                                    | Duty Cycle (Max)                | 100%                       |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                      | Buck Regulator Positive Output Step-Down DC-DC Controller IC 10-DFN (3x3) | Control Features                | Current Limit, Enable      |
| Clock Sync                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                        | Base Part Number                | ISL8105A                   |
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| RELATED PRODUCTS                                                                   |                                                                                     |                                         |                |
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|  | Part#: <a href="#">ISL8105BIBZ-T</a><br>Description: IC REG CTRLR BUCK 8SOIC        | 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="#">ISL8105ACRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105AIBZ</a><br>Description: IC REG CTRLR BUCK 8SOIC          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL8105ACRZ-T</a><br>Description: IC REG CTRLR BUCK 10DFN        | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BCBZ</a><br>Description: IC REG CTRLR BUCK 8SOIC          | 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="#">ISL8105BIBZ</a><br>Description: IC REG CTRLR BUCK 8SOIC          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ISL8105BIRZ</a><br>Description: IC REG CTRLR BUCK 10DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | 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> |
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|  | Part#: <a href="#">ISL8105AIBZ-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="#">ISL8104IBZ</a><br>Description: IC REG CTRLR BUCK 14SOIC          | 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> |

| Related keywords for ISL8105AIRZ |                         |                      |                   |
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