

ISL6307BIRZ-T





A Renesas Company

**Part Number:** [ISL6307BIRZ-T](#)

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

**Description:** IC REG CTRLR BUCK 48QFN

**Data sheet:**  [ISL6307B](#)

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

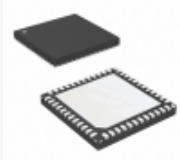
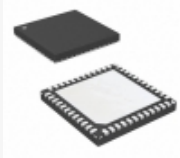
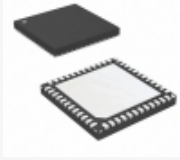
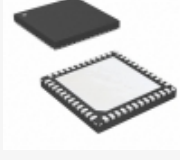
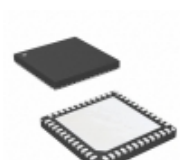
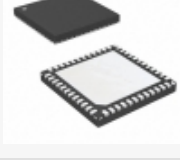
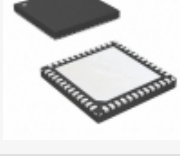
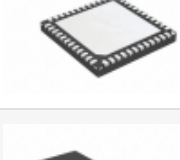
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
**Buy ISL6307BIRZ-T with confidence from Component-World.HK, 1 Year Warranty**

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |                                |                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                | ISL6307BIRZ-T                             | Manufacturer                   | <a href="#">Intersil</a>                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                | IC REG CTRLR BUCK 48QFN                   | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                         | 4732 pcs                                  | Data sheet                     | <a href="#">ISL6307B</a>                                                  |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4.75 V ~ 5.25 V                                                           |
| Topology                                                                                                                                                                                                                                                                                                                                                                                                                                   | Buck                                      | Synchronous Rectifier          | -                                                                         |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                    | 48-QFN (7x7)                              | Series                         | -                                                                         |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                         | Packaging                      | Tape & Reel (TR)                                                          |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                             | 48-VFQFN Exposed Pad                      | Output Type                    | PWM Signal                                                                |
| Output Phases                                                                                                                                                                                                                                                                                                                                                                                                                              | 6                                         | Output Configuration           | Positive                                                                  |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                      | -40°C ~ 85°C (TA)                         | Number of Outputs              | 6                                                                         |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                           | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                   | Step-Down                                 | Frequency - Switching          | 80kHz ~ 1MHz                                                              |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                                                                           | 66.7%                                     | Detailed Description           | Buck Regulator Positive Output Step-Down DC-DC Controller IC 48-QFN (7x7) |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                                                           | Enable, Frequency Control, Soft Start     | Clock Sync                     | No                                                                        |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | ISL6307                                   |                                |                                                                           |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all Intersil series electronic components. We have 4732 pieces of Intersil ISL6307BIRZ-T in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                           |

| RELATED PRODUCTS                                                                   |                                                                                         |                                         |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------|---------------------|
|  | Part#: <a href="#">ISL6308AIRZ-T</a><br>Description: IC CTRLR PWM BUCK 3PHASE 40-QFN    | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307BCRZ</a><br>Description: IC REG CTRLR BUCK 48QFN              | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6308ACRZ</a><br>Description: IC CTRLR PWM BUCK 3PHASE 40-QFN      | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307CRZ-T</a><br>Description: IC REG CTRLR BUCK 48QFN             | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307ACRZ</a><br>Description: IC REG CTRLR BUCK 48QFN              | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6308ACRZR5609</a><br>Description: IC CTRLR PWM BUCK 3PHASE 40-QFN | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6306CRZ-TK</a><br>Description: IC REG CTRLR BUCK 40QFN            | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307AIRZ-T</a><br>Description: IC REG CTRLR BUCK 48QFN            | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307CRZ</a><br>Description: IC REG CTRLR BUCK 48QFN               | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6306IRZ-T</a><br>Description: IC REG CTRLR BUCK 40QFN             | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6306IRZ</a><br>Description: IC REG CTRLR BUCK 40QFN               | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307ACRZ-T</a><br>Description: IC REG CTRLR BUCK 48QFN            | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6308ACRZ-T</a><br>Description: IC CTRLR PWM BUCK 3PHASE 40-QFN    | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6308AIRZ</a><br>Description: IC CTRLR PWM BUCK 3PHASE 40-QFN      | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307IRZ-T</a><br>Description: IC REG CTRLR BUCK 48QFN             | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307AIRZ</a><br>Description: IC REG CTRLR BUCK 48QFN              | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6308AEVAL1Z</a><br>Description: EVALUATION BOARD FOR ISL6308A     | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307BCRZ-T</a><br>Description: IC REG CTRLR BUCK 48QFN            | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307BIRZ</a><br>Description: IC REG CTRLR BUCK 48QFN              | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">ISL6307IRZ</a><br>Description: IC REG CTRLR BUCK 48QFN               | Manufacturers: <a href="#">Intersil</a> | <a href="#">RFQ</a> |

| Related keywords for ISL6307BIRZ-T |                           |                        |                     |
|------------------------------------|---------------------------|------------------------|---------------------|
| Intersil ISL6307BIRZ-T             | ISL6307BIRZ-T distributor | ISL6307BIRZ-T supplier | ISL6307BIRZ-T price |
| ISL6307BIRZ-T download datasheet   | ISL6307BIRZ-T datasheet   | ISL6307BIRZ-T stock    | buy ISL6307BIRZ-T   |
| Intersil ISL6307BIRZ-T             |                           |                        |                     |