

ISL6612ACRZ-T



**Part Number:** [ISL6612ACRZ-T](#)

**Manufacturer** [Intersil](#)

**Description** IC MOSFET DRVR SYNC BUCK 10-DFN

**Data sheet:**  [ISL6612A, ISL6613A](#)

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

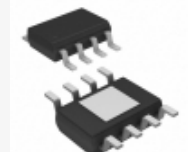
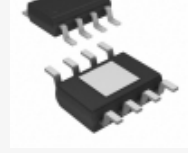
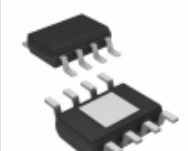
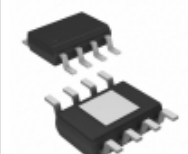
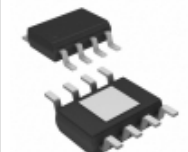
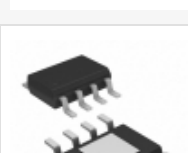
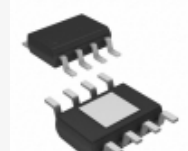
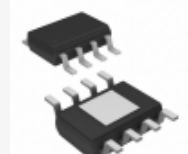
**Ship From:** Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
Buy ISL6612ACRZ-T with confidence from Component-World.HK, 1 Year Warranty

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |                                |                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|-------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                 | ISL6612ACRZ-T                             | Manufacturer                   | <a href="#">Intersil</a>                              |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                 | IC MOSFET DRVR SYNC BUCK 10-DFN           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                            |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                          | 71876 pcs                                 | Data sheet                     | <a href="#">ISL6612A, ISL6613A</a>                    |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply               | 10.8 V ~ 13.2 V                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                     | 10-DFN (3x3)                              | Series                         | -                                                     |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                      | 26ns, 18ns                                | Packaging                      | Tape & Reel (TR)                                      |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                              | 10-VDFDN 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 10-DFN (3x3) |
| Current - Peak Output (Source, Sink)                                                                                                                                                                                                                                                                                                                                                                                                        | 1.25A, 2A                                 | Channel Type                   | Synchronous                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                            | ISL6612A                                  |                                |                                                       |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                         |                |
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|  | Part#: <a href="#">ISL6612ACR</a><br>Description: IC MOSFET DRVR SYNC BUCK 10-DFN          | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL6612ACBZA-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC      | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL6612AECBZ-T</a><br>Description: IC MOSFET DRVR SYNC BUCK 8EPSOIC     | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">ISL6612ACBZ-TR5214</a><br>Description: IC MOSFET DRVR SYNC BUCK 8-SOIC  | Manufacturers: <a href="#">Intersil</a> | <div>RFQ</div> |
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