

ISL6622AIRZ-T



**Part Number:** ISL6622AIRZ-T

**Manufacturer:** Intersil

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

**Data sheet:**  [ISL6622A](#)

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

**Ship From:** Hong Kong

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

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See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |                                      |                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------|----------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                 | ISL6622AIRZ-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                                                                                                                                                                                                                                                                                                                                                                                                                          | 51569 pcs                                             | Data sheet                           | <a href="#">ISL6622A</a>   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                    | <a href="#">Integrated Circuits (ICs)</a>             | Voltage - Supply                     | 6.8 V ~ 13.2 V             |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                     | 10-DFN (3x3)                                          | Series                               | -                          |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                      | 26ns, 18ns                                            | Packaging                            | Tape & Reel (TR)           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                              | 10-VFDFN Exposed Pad                                  | Operating Temperature                | -40°C ~ 125°C (TJ)         |
| Number of Drivers                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                     | Mounting Type                        | Surface Mount              |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                            | 3 (168 Hours)                                         | Manufacturer Standard Lead Time      | 5 Weeks                    |
| 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                     | ISL6622A                   |
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