

ISL6420AIRZ-TKR5264



A Renesas Company

Part Number: ISL6420AIRZ-TKR5264

Manufacturer: Intersil

Description: IC REG CTRLR BUCK 20QFN

Data sheet:  [ISL6420A](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                 |                                                                  |                                |                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                       | ISL6420AIRZ-TKR5264                                              | Manufacturer                   | <a href="#">Intersil</a>                                                     |
| Description                                                                                                                                                                                                                                                                                                                                                                                       | IC REG CTRLR BUCK 20QFN                                          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                | 5934 pcs                                                         | Data sheet                     | <a href="#">ISL6420A</a>                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                          | <a href="#">Integrated Circuits (ICs)</a>                        | Voltage - Supply (Vcc/Vdd)     | 5.6 V ~ 28 V                                                                 |
| Topology                                                                                                                                                                                                                                                                                                                                                                                          | Buck                                                             | Synchronous Rectifier          | Yes                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                           | 20-QFN-EP (4x4)                                                  | Series                         | -                                                                            |
| Serial Interfaces                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                | Packaging                      | Tape & Reel (TR)                                                             |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                    | 20-VFQFN 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)                                                    | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                   |
| Function                                                                                                                                                                                                                                                                                                                                                                                          | Step-Down                                                        | Frequency - Switching          | 100kHz ~ 1.4MHz                                                              |
| Duty Cycle (Max)                                                                                                                                                                                                                                                                                                                                                                                  | 96%                                                              | Detailed Description           | Buck Regulator Positive Output Step-Down DC-DC Controller IC 20-QFN-EP (4x4) |
| Control Features                                                                                                                                                                                                                                                                                                                                                                                  | Enable, Frequency Control, Phase Control, Power Good, Soft Start | Clock Sync                     | No                                                                           |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                  | ISL6420A                                                         |                                |                                                                              |
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