

RT7021BGS



Part Number: [RT7021BGS](#)

Manufacturer [Richtek](#)

Description [IC HI/LO-SIDE MOSFET DRVR SOP8](#)

Data sheet:  [RT7021\(A,B\)](#)

RoHs Status: [Lead free / RoHS Compliant](#)

Ship From: [Hong Kong](#)

Shipment Way: [DHL/Fedex/TNT/UPS/EMS](#)

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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |                                      |                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------|--------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | RT7021BGS                                      | Manufacturer                         | <a href="#">Richtek</a>                    |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC HI/LO-SIDE MOSFET DRVR SOP8                 | Lead Free Status / RoHS Status       | <a href="#">Lead free / RoHS Compliant</a> |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 77010 pcs                                      | Data sheet                           | <a href="#">RT7021(A,B)</a>                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>      | Voltage - Supply                     | 13 V ~ 20 V                                |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                  | 8-SOP                                          | Series                               | -                                          |
| Rise / Fall Time (Typ)                                                                                                                                                                                                                                                                                                                                                                                                                   | 70ns, 35ns                                     | Packaging                            | Cut Tape (CT)                              |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                           | 8-SOIC (0.154", 3.90mm Width)                  | Other Names                          | RT7021BGSCT                                |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                    | -40°C ~ 150°C (TJ)                             | Number of Drivers                    | 2                                          |
| Mounting Type                                                                                                                                                                                                                                                                                                                                                                                                                            | Surface Mount                                  | Moisture Sensitivity Level (MSL)     | 3 (168 Hours)                              |
| Logic Voltage - VIL, VIH                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.8V, 2.5V                                     | Lead Free Status / RoHS Status       | <a href="#">Lead free / RoHS Compliant</a> |
| Input Type                                                                                                                                                                                                                                                                                                                                                                                                                               | Non-Inverting                                  | High Side Voltage - Max (Bootstrap)  | 600V                                       |
| Gate Type                                                                                                                                                                                                                                                                                                                                                                                                                                | IGBT, N-Channel MOSFET                         | Driven Configuration                 | Half-Bridge                                |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                     | Half-Bridge Gate Driver IC Non-Inverting 8-SOP | Current - Peak Output (Source, Sink) | 290mA, 600mA                               |
| Channel Type                                                                                                                                                                                                                                                                                                                                                                                                                             | Independent                                    |                                      |                                            |
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| RELATED PRODUCTS                                                                   |                                                                                                  |                                        |                     |
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|  | Part#: <a href="#">RT7021AGS</a><br>Description: <a href="#">IC HI/LO-SIDE MOSFET DRVR SOP8</a>  | Manufacturers: <a href="#">Richtek</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">RT7235GQW</a><br>Description: <a href="#">IC REG BUCK ADJ 5A SYNC 10WDFN</a>  | Manufacturers: <a href="#">Richtek</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">RT7028BGN</a><br>Description: <a href="#">IC HI-SIDE MOSFET SWITCH DIP8</a>   | Manufacturers: <a href="#">Richtek</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">RT7020GS</a><br>Description: <a href="#">IC HALF-BRIDGE GATE DRVR SOP-8</a>   | Manufacturers: <a href="#">Richtek</a> | <a href="#">RFQ</a> |
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