



## SI8221DC-D-IS

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8221DC-D-IS                                                                                                       |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                         |
| Product description | DGTL ISO 3.75KV GATE DRVR 8SOIC                                                                                     |
| Datasheets:         |  <a href="#">SI8221DC-D-IS.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Stock Condition     | 50631 pcs stock                                                                                                     |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

### Specifications of SI8221DC-D-IS

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8221DC-D-IS                                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                                           |
| DESCRIPTION                          | DGTL ISO 3.75KV GATE DRVR 8SOIC                                                                                       |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                            |
| QUANTITY AVAILABLE                   | 50631 pcs                                                                                                             |
| DATA SHEET                           |  <a href="#">SI8221DC-D-IS.pdf</a> |
| VOLTAGE - SUPPLY                     | 14.8 V ~ 24 V                                                                                                         |
| VOLTAGE - ISOLATION                  | 3750Vrms                                                                                                              |
| VOLTAGE - FORWARD (VF) (TYP)         | 2.5V (Max)                                                                                                            |
| TECHNOLOGY                           | Capacitive Coupling                                                                                                   |
| SUPPLIER DEVICE PACKAGE              | 8-SOIC                                                                                                                |
| SERIES                               | Automotive, AEC-Q100                                                                                                  |
| RISE / FALL TIME (TYP)               | 30ns, 30ns (Max)                                                                                                      |
| PULSE WIDTH DISTORTION (MAX)         | -                                                                                                                     |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 60ns, 40ns                                                                                                            |
| PACKAGING                            | Tube                                                                                                                  |
| PACKAGE / CASE                       | 8-SOIC (0.154", 3.90mm Width)                                                                                         |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                                         |
| NUMBER OF CHANNELS                   | 1                                                                                                                     |
| MOUNTING TYPE                        | Surface Mount                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 3 (168 Hours)                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                            |
| DETAILED DESCRIPTION                 | 500mA Gate Driver Capacitive Coupling 3750Vrms 1 Channel 8-SOIC                                                       |
| CURRENT - PEAK OUTPUT                | 500mA                                                                                                                 |
| CURRENT - OUTPUT HIGH, LOW           | 300mA, 500mA                                                                                                          |
| CURRENT - DC FORWARD (IF) (MAX)      | 30mA                                                                                                                  |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 30kV/μs (Typ)                                                                                                         |
| APPROVALS                            | CQC, CSA, UR, VDE                                                                                                     |

### Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) SI8221DC-D-IS | SI8221DC-D-IS Distributor            | SI8221DC-D-IS Supplier                        |
| SI8221DC-D-IS Price                       | SI8221DC-D-IS Pictures               | SI8221DC-D-IS Image                           |
| SI8221DC-D-IS PDF Datasheet               | SI8221DC-D-IS Download Datasheet     | SI8221DC-D-IS Datasheet                       |
| SI8221DC-D-IS Stock                       | Buy SI8221DC-D-IS                    | Buy Energy Micro (Silicon Labs) SI8221DC-D-IS |
| Energy Micro (Silicon Labs) SI8221DC-D-IS | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) SI8221DC-D-IS | Energy Micro SI8221DC-D-IS           | Energy Micro (Silicon Labs) SI8221DC-D-IS     |
| Silicon Laboratories SI8221DC-D-IS        | Silicon Labs SI8221DC-D-IS           |                                               |

### Related Products

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|  <div><b>SI8230AB-B-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 5262 pcs<br/><div>RFQ</div></div>  |  <div><b>SI8230AB-B-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 3832 pcs<br/><div>RFQ</div></div>  |
|  <div><b>SI8221DC-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 65953 pcs<br/><div>RFQ</div></div> |  <div><b>SI8230AB-B-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 5739 pcs<br/><div>RFQ</div></div>   |
|  <div><b>SI8221DC-A-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 3630 pcs<br/><div>RFQ</div></div>  |  <div><b>SI8230AB-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 60002 pcs<br/><div>RFQ</div></div>  |
|  <div><b>SI8230AB-B-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 6075 pcs<br/><div>RFQ</div></div> |  <div><b>SI8221DC-A-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 3937 pcs<br/><div>RFQ</div></div>   |
|  <div><b>SI8221CC-A-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 4646 pcs<br/><div>RFQ</div></div>   |  <div><b>SI8221CC-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 65956 pcs<br/><div>RFQ</div></div> |
|  <div><b>SI8221CC-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 60317 pcs<br/><div>RFQ</div></div>  |  <div><b>SI8221CC-A-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV GATE DRVR 8SOIC<br/>In stock: 5546 pcs<br/><div>RFQ</div></div>  |