



Energy Micro (Silicon Labs)



## SI8231AB-D-IS1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8231AB-D-IS1                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 2.5KV GATE DRVR 16SOIC                                                                              |
| Datasheets:         |  SI8231AB-D-IS1.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 51776 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

### Specifications of SI8231AB-D-IS1

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8231AB-D-IS1                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                            |
| DESCRIPTION                          | DGTL ISO 2.5KV GATE DRVR 16SOIC                                                                        |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE                   | 51776 pcs                                                                                              |
| DATA SHEET                           |  SI8231AB-D-IS1.pdf |
| VOLTAGE - SUPPLY                     | 6.5 V ~ 24 V                                                                                           |
| VOLTAGE - ISOLATION                  | 2500Vrms                                                                                               |
| VOLTAGE - FORWARD (VF) (TYP)         | -                                                                                                      |
| TECHNOLOGY                           | Capacitive Coupling                                                                                    |
| SUPPLIER DEVICE PACKAGE              | 16-SOIC                                                                                                |
| SERIES                               | Automotive, AEC-Q100                                                                                   |
| RISE / FALL TIME (TYP)               | 20ns, 20ns (Max)                                                                                       |
| PULSE WIDTH DISTORTION (MAX)         | 5.6ns                                                                                                  |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 60ns, 60ns                                                                                             |
| PACKAGING                            | Tube                                                                                                   |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                         |
| OTHER NAMES                          | 336-4682<br>SI8231AB-D-IS1-ND                                                                          |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                          |
| NUMBER OF CHANNELS                   | 2                                                                                                      |
| MOUNTING TYPE                        | Surface Mount                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 2A (4 Weeks)                                                                                           |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| DETAILED DESCRIPTION                 | 500mA Gate Driver Capacitive Coupling 2500Vrms 2 Channel 16-SOIC                                       |
| CURRENT - PEAK OUTPUT                | 500mA                                                                                                  |
| CURRENT - OUTPUT HIGH, LOW           | 250mA, 500mA                                                                                           |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 20kV/μs                                                                                                |
| APPROVALS                            | CQC, CSA, UR, VDE                                                                                      |

### Related Tags

|                                            |                                      |                                                |
|--------------------------------------------|--------------------------------------|------------------------------------------------|
| Energy Micro (Silicon Labs) SI8231AB-D-IS1 | SI8231AB-D-IS1 Distributor           | SI8231AB-D-IS1 Supplier                        |
| SI8231AB-D-IS1 Price                       | SI8231AB-D-IS1 Pictures              | SI8231AB-D-IS1 Image                           |
| SI8231AB-D-IS1 PDF Datasheet               | SI8231AB-D-IS1 Download Datasheet    | SI8231AB-D-IS1 Datasheet                       |
| SI8231AB-D-IS1 Stock                       | Buy SI8231AB-D-IS1                   | Buy Energy Micro (Silicon Labs) SI8231AB-D-IS1 |
| Energy Micro (Silicon Labs) SI8231AB-D-IS1 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SI8231AB-D-IS1 | Energy Micro SI8231AB-D-IS1          | Energy Micro (Silicon Labs) SI8231AB-D-IS1     |
| Silicon Laboratories SI8231AB-D-IS1        | Silicon Labs SI8231AB-D-IS1          |                                                |

### Related Products

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>SI8231AB-B-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 4807 pcs<br/>RFQ</div>    |  <div><b>SI8231AB-B-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 6270 pcs<br/>RFQ</div>   |
|  <div><b>SI8231AD-B-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 2746 pcs<br/>RFQ</div>   |  <div><b>SI8230BD-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 49874 pcs<br/>RFQ</div> |
|  <div><b>SI8231AD-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 49920 pcs<br/>RFQ</div>  |  <div><b>SI8231AB-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 57184 pcs<br/>RFQ</div>   |
|  <div><b>SI8231AB-B-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 3052 pcs<br/>RFQ</div>  |  <div><b>SI8231AB-D-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 55377 pcs<br/>RFQ</div> |
|  <div><b>SI8231AD-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 43884 pcs<br/>RFQ</div> |  <div><b>SI8231AD-B-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 4622 pcs<br/>RFQ</div>  |
|  <div><b>SI8231AB-B-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 6222 pcs<br/>RFQ</div>   |  <div><b>SI8231AB-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 61464 pcs<br/>RFQ</div>  |