



Energy Micro (Silicon Labs)



SI8231AB-D-IS1R

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8231AB-D-IS1R                                                                                              |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 2.5KV GATE DRVR 16SOIC                                                                              |
| Datasheets:         |  SI8231AB-D-IS1R.pdf        |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 55377 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI8231AB-D-IS1R

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8231AB-D-IS1R                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                             |
| DESCRIPTION                          | DGTL ISO 2.5KV GATE DRVR 16SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE                   | 55377 pcs                                                                                               |
| DATA SHEET                           |  SI8231AB-D-IS1R.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                            | Tape & Reel (TR)                                                                                        |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                          |
| 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-IS1R | SI8231AB-D-IS1R Distributor          | SI8231AB-D-IS1R Supplier                        |
| SI8231AB-D-IS1R Price                       | SI8231AB-D-IS1R Pictures             | SI8231AB-D-IS1R Image                           |
| SI8231AB-D-IS1R PDF Datasheet               | SI8231AB-D-IS1R Download Datasheet   | SI8231AB-D-IS1R Datasheet                       |
| SI8231AB-D-IS1R Stock                       | Buy SI8231AB-D-IS1R                  | Buy Energy Micro (Silicon Labs) SI8231AB-D-IS1R |
| Energy Micro (Silicon Labs) SI8231AB-D-IS1R | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor         |
| Energy Micro (Silicon Labs) SI8231AB-D-IS1R | Energy Micro SI8231AB-D-IS1R         | Energy Micro (Silicon Labs) SI8231AB-D-IS1R     |
| Silicon Laboratories SI8231AB-D-IS1R        | Silicon Labs SI8231AB-D-IS1R         |                                                 |

Related Products

|                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div>SI8231AB-B-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 6270 pcs<br/>RFQ</div>   |  <div>SI8231AB-D-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 61464 pcs<br/>RFQ</div> |
|  <div>SI8231AB-D-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 57184 pcs<br/>RFQ</div>   |  <div>SI8231AD-B-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 4622 pcs<br/>RFQ</div> |
|  <div>SI8231BB-B-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 5140 pcs<br/>RFQ</div>    |  <div>SI8231AB-B-IS1<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 6222 pcs<br/>RFQ</div>  |
|  <div>SI8231AD-D-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 43884 pcs<br/>RFQ</div> |  <div>SI8231AB-B-IS1R<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 3052 pcs<br/>RFQ</div> |
|  <div>SI8231AB-D-IS1<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 51776 pcs<br/>RFQ</div>  |  <div>SI8231AD-B-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 2746 pcs<br/>RFQ</div>  |
|  <div>SI8231AB-B-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 4807 pcs<br/>RFQ</div>    |  <div>SI8231AD-D-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GATE DVR 16SOIC<br/>In stock: 49920 pcs<br/>RFQ</div> |