



Energy Micro (Silicon Labs)

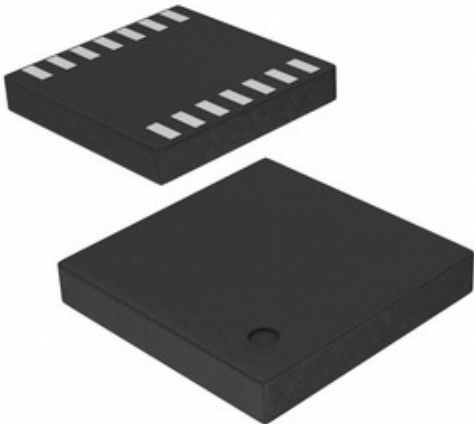


Image may be representation. See specifications for product details.

SI8275AB-IMR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8275AB-IMR                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 2.5KV GATE DRVR 14LGA                                                                               |
| Datasheets:         |  SI8275AB-IMR.pdf           |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

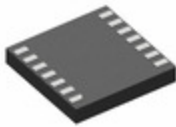
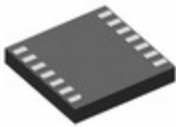
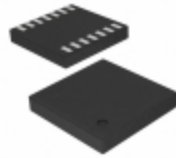
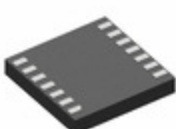
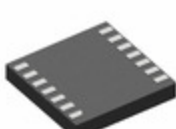
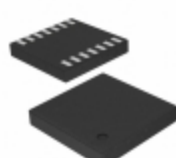
Specifications of SI8275AB-IMR

|                                      |                                                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8275AB-IMR                                                                                         |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                          |
| DESCRIPTION                          | DGTL ISO 2.5KV GATE DRVR 14LGA                                                                       |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                           |
| DATA SHEET                           |  SI8275AB-IMR.pdf |
| VOLTAGE - SUPPLY                     | 4.6 V ~ 30 V                                                                                         |
| VOLTAGE - ISOLATION                  | 2500Vrms                                                                                             |
| VOLTAGE - FORWARD (VF) (TYP)         | -                                                                                                    |
| TECHNOLOGY                           | Capacitive Coupling                                                                                  |
| SUPPLIER DEVICE PACKAGE              | 14-LGA (5x5)                                                                                         |
| SERIES                               | Automotive, AEC-Q100                                                                                 |
| RISE / FALL TIME (TYP)               | 10.5ns, 13.3ns                                                                                       |
| PULSE WIDTH DISTORTION (MAX)         | 8ns                                                                                                  |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 60ns, 60ns                                                                                           |
| PACKAGING                            | Tape & Reel (TR)                                                                                     |
| PACKAGE / CASE                       | 14-VFLGA                                                                                             |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                        |
| NUMBER OF CHANNELS                   | 2                                                                                                    |
| MOUNTING TYPE                        | Surface Mount                                                                                        |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 3 (168 Hours)                                                                                        |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                           |
| DETAILED DESCRIPTION                 | 4A Gate Driver Capacitive Coupling 2500Vrms 2 Channel 14-LGA (5x5)                                   |
| CURRENT - PEAK OUTPUT                | 4A                                                                                                   |
| CURRENT - OUTPUT HIGH, LOW           | 1.8A, 4A                                                                                             |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 150kV/μs                                                                                             |
| APPROVALS                            | CQC, CSA, UR, VDE                                                                                    |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) SI8275AB-IMR | SI8275AB-IMR Distributor             | SI8275AB-IMR Supplier                        |
| SI8275AB-IMR Price                       | SI8275AB-IMR Pictures                | SI8275AB-IMR Image                           |
| SI8275AB-IMR PDF Datasheet               | SI8275AB-IMR Download Datasheet      | SI8275AB-IMR Datasheet                       |
| SI8275AB-IMR Stock                       | Buy SI8275AB-IMR                     | Buy Energy Micro (Silicon Labs) SI8275AB-IMR |
| Energy Micro (Silicon Labs) SI8275AB-IMR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) SI8275AB-IMR | Energy Micro SI8275AB-IMR            | Energy Micro (Silicon Labs) SI8275AB-IMR     |
| Silicon Laboratories SI8275AB-IMR        | Silicon Labs SI8275AB-IMR            |                                              |

Related Products

|                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>SI8275ABD-IM1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRIVER 14LGA<br/>In stock: Out stock<br/>RFQ</div>  |  <div><b>SI8275AB-IM1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 14LGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>SI8275AB-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRIVER 14LGA<br/>In stock: 61 pcs<br/>RFQ</div>       |  <div><b>SI8275AB-IM1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRIVER 14LGA<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>SI8274GB4D-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>SI8275GB-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>SI8274ISO-KIT</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: SI8274/71 EVAL KIT<br/>In stock: 1 pcs<br/>RFQ</div>                    |  <div><b>SI8275GB-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 2 pcs<br/>RFQ</div>      |
|  <div><b>SI8275ABD-IM1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 14LGA<br/>In stock: Out stock<br/>RFQ</div>   |  <div><b>SI8275ABD-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 14LGA<br/>In stock: Out stock<br/>RFQ</div>  |
|  <div><b>SI8275ABD-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRIVER 14LGA<br/>In stock: 96 pcs<br/>RFQ</div>      |  <div><b>SI8274GB4D-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GATE DRVR 16SOIC<br/>In stock: 148 pcs<br/>RFQ</div>  |