




Energy Micro (Silicon Labs)



SI8275AB-IM1

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| Part Number: | SI8275AB-IM1 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs) |
| Product description | DGTL ISO 2.5KV GATE DRIVER 14LGA |
| Datasheets: | |
| RoHs Status |  Lead free / RoHS Compliant |
| Ship From | Hong Kong |
| Shipment Way | DHL/Fedex/TNT/UPS/EMS |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of SI8275AB-IM1

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| PART NUMBER | SI8275AB-IM1 |
| MANUFACTURER | Energy Micro (Silicon Labs) |
| DESCRIPTION | DGTL ISO 2.5KV GATE DRIVER 14LGA |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| DATA SHEET | |
| VOLTAGE - SUPPLY | 4.2 V ~ 30 V |
| VOLTAGE - ISOLATION | 2500Vrms |
| VOLTAGE - FORWARD (VF) (TYP) | - |
| TECHNOLOGY | Capacitive Coupling |
| SUPPLIER DEVICE PACKAGE | 14-QFN (5x5) |
| SERIES | Automotive, AEC-Q100 |
| RISE / FALL TIME (TYP) | 10.5ns, 13.3ns |
| PULSE WIDTH DISTORTION (MAX) | 8ns |
| PROPAGATION DELAY TPLH / TPHL (MAX) | 75ns, 75ns |
| PACKAGE / CASE | 14-VDFN |
| 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-QFN (5x5) |
| CURRENT - PEAK OUTPUT | 4A |
| CURRENT - OUTPUT HIGH, LOW | 1.8A, 4A |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 200kV/μs |
| APPROVALS | CQC, CSA, UR, VDE |

Related Tags

| | | |
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| Energy Micro (Silicon Labs) SI8275AB-IM1 | SI8275AB-IM1 Distributor | SI8275AB-IM1 Supplier |
| SI8275AB-IM1 Price | SI8275AB-IM1 Pictures | SI8275AB-IM1 Image |
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| Silicon Laboratories SI8275AB-IM1 | Silicon Labs SI8275AB-IM1 | |

Related Products

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| <div></div> <div>SI8275ABD-IM Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GATE DRIVER 14LGA In stock: 96 pcs <div>RFQ</div></div> | <div></div> <div>SI8275AB-IM1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GATE DRVR 14LGA In stock: Out stock <div>RFQ</div></div> |
| <div></div> <div>SI8275AB-IM Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GATE DRIVER 14LGA In stock: 61 pcs <div>RFQ</div></div> | <div></div> <div>SI8274ISO-KIT Manufacturers: Energy Micro (Silicon Labs) Description: SI8274/71 EVAL KIT In stock: 1 pcs <div>RFQ</div></div> |
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