




Energy Micro (Silicon Labs)

SI8452AB-B-IS1

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| Part Number: | SI8452AB-B-IS1 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs) |
| Product description: | DGTL ISO 2.5KV GEN PURP 16SOIC |
| Datasheets: | PDF SI8452AB-B-IS1.pdf |
| 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 SI8452AB-B-IS1

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|--------------------------------------|---|
| PART NUMBER | SI8452AB-B-IS1 |
| MANUFACTURER | Energy Micro (Silicon Labs) |
| DESCRIPTION | DGTL ISO 2.5KV GEN PURP 16SOIC |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| DATA SHEET | PDF SI8452AB-B-IS1.pdf |
| VOLTAGE - SUPPLY | 2.7 V ~ 5.5 V |
| VOLTAGE - ISOLATION | 2500Vrms |
| TYPE | General Purpose |
| TECHNOLOGY | Capacitive Coupling |
| SUPPLIER DEVICE PACKAGE | 16-SOIC |
| SERIES | - |
| RISE / FALL TIME (TYP) | 3.8ns, 2.8ns |
| PULSE WIDTH DISTORTION (MAX) | 25ns |
| PROPAGATION DELAY TPLH / TPHL (MAX) | 35ns, 35ns |
| PACKAGING | Tube |
| PACKAGE / CASE | 16-SOIC (0.154", 3.90mm Width) |
| OPERATING TEMPERATURE | -40°C ~ 125°C |
| NUMBER OF CHANNELS | 5 |
| MOUNTING TYPE | Surface Mount |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year) |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| ISOLATED POWER | No |
| INPUTS - SIDE 1/SIDE 2 | 3/2 |
| DETAILED DESCRIPTION | General Purpose Digital Isolator 2500Vrms 5 Channel 1Mbps 25kV/μs (Typ) CMTI 16-SOIC (0.154", 3.90mm Width) |
| DATA RATE | 1Mbps |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 25kV/μs (Typ) |
| CHANNEL TYPE | Unidirectional |

Related Tags

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| Energy Micro (Silicon Labs) SI8452AB-B-IS1 | SI8452AB-B-IS1 Distributor | SI8452AB-B-IS1 Supplier |
| SI8452AB-B-IS1 Price | SI8452AB-B-IS1 Pictures | SI8452AB-B-IS1 Image |
| SI8452AB-B-IS1 PDF Datasheet | SI8452AB-B-IS1 Download Datasheet | SI8452AB-B-IS1 Datasheet |
| SI8452AB-B-IS1 Stock | Buy SI8452AB-B-IS1 | Buy Energy Micro (Silicon Labs) SI8452AB-B-IS1 |
| Energy Micro (Silicon Labs) SI8452AB-B-IS1 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor |
| Energy Micro (Silicon Labs) SI8452AB-B-IS1 | Energy Micro SI8452AB-B-IS1 | Energy Micro (Silicon Labs) SI8452AB-B-IS1 |
| Silicon Laboratories SI8452AB-B-IS1 | Silicon Labs SI8452AB-B-IS1 | |

Related Products

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|  <p>SI8452AA-A-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p> |  <p>SI8451DB-T2-E1 Manufacturers: Electro-Films (EFI) / Vishay Description: MOSFET P-CH 20V 10.8A MICROFOOT In stock: Out stock</p> <p>RFQ</p> |
|  <p>SI8452BA-A-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p> |  <p>SI8452BA-B-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p> |
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