



SI8445BB-C-IS1

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8445BB-C-IS1                                                                                               |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 2.5KV GEN PURP 16SOIC                                                                               |
| Datasheets:         |  SI8445BB-C-IS1.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 35858 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI8445BB-C-IS1

|                                      |                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI8445BB-C-IS1                                                                                                |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                                   |
| DESCRIPTION                          | DGTL ISO 2.5KV GEN PURP 16SOIC                                                                                |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                    |
| QUANTITY AVAILABLE                   | 35858 pcs                                                                                                     |
| DATA SHEET                           |  SI8445BB-C-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)         | 2.5ns                                                                                                         |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 9.5ns, 9.5ns                                                                                                  |
| PACKAGING                            | Tube                                                                                                          |
| PACKAGE / CASE                       | 16-SOIC (0.154", 3.90mm Width)                                                                                |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                                 |
| NUMBER OF CHANNELS                   | 4                                                                                                             |
| 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               | 4/0                                                                                                           |
| DETAILED DESCRIPTION                 | General Purpose Digital Isolator 2500Vrms 4 Channel 150Mbps 25kV/μs (Typ) CMTI 16-SOIC (0.154", 3.90mm Width) |
| DATA RATE                            | 150Mbps                                                                                                       |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 25kV/μs (Typ)                                                                                                 |
| CHANNEL TYPE                         | Unidirectional                                                                                                |

Related Tags

|                                            |                                      |                                                |
|--------------------------------------------|--------------------------------------|------------------------------------------------|
| Energy Micro (Silicon Labs) SI8445BB-C-IS1 | SI8445BB-C-IS1 Distributor           | SI8445BB-C-IS1 Supplier                        |
| SI8445BB-C-IS1 Price                       | SI8445BB-C-IS1 Pictures              | SI8445BB-C-IS1 Image                           |
| SI8445BB-C-IS1 PDF Datasheet               | SI8445BB-C-IS1 Download Datasheet    | SI8445BB-C-IS1 Datasheet                       |
| SI8445BB-C-IS1 Stock                       | Buy SI8445BB-C-IS1                   | Buy Energy Micro (Silicon Labs) SI8445BB-C-IS1 |
| Energy Micro (Silicon Labs) SI8445BB-C-IS1 | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor        |
| Energy Micro (Silicon Labs) SI8445BB-C-IS1 | Energy Micro SI8445BB-C-IS1          | Energy Micro (Silicon Labs) SI8445BB-C-IS1     |
| Silicon Laboratories SI8445BB-C-IS1        | Silicon Labs SI8445BB-C-IS1          |                                                |

Related Products

|                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                   |
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|  <div><b>SI8445BA-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC<br/>In stock: 33595 pcs<br/><div>RFQ</div></div>   |  <div><b>SI8445BB-D-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 38139 pcs<br/><div>RFQ</div></div>    |
|  <div><b>SI8445DB-T2-E1</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: MOSFET P-CH 20V 9.8A MICROFOOT<br/>In stock: 6679 pcs<br/><div>RFQ</div></div>    |  <div><b>SI8445BB-D-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 41950 pcs<br/><div>RFQ</div></div>    |
|  <div><b>SI8445-B-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 2731 pcs<br/><div>RFQ</div></div>        |  <div><b>SI8445BA-D-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC<br/>In stock: 48020 pcs<br/><div>RFQ</div></div> |
|  <div><b>SI8445BB-D-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 32992 pcs<br/><div>RFQ</div></div>     |  <div><b>SI8445BB-C-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 38248 pcs<br/><div>RFQ</div></div>   |
|  <div><b>SI8445BB-D-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 2.5KV GEN PURP 16SOIC<br/>In stock: 39932 pcs<br/><div>RFQ</div></div>   |  <div><b>SI8445BA-C-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC<br/>In stock: 41703 pcs<br/><div>RFQ</div></div>  |
|  <div><b>SI8445BA-C-IS1R</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC<br/>In stock: 49237 pcs<br/><div>RFQ</div></div> |  <div><b>SI8445BA-D-IS1</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC<br/>In stock: 39702 pcs<br/><div>RFQ</div></div>  |