



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

SI88420BC-IS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI88420BC-IS                                                                                                 |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | DGTL ISO 5KV 2CH GEN PURP 16SOIC                                                                             |
| Datasheets:         |  SI88420BC-IS.pdf           |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 24762 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI88420BC-IS

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | SI88420BC-IS                                                                                            |
| MANUFACTURER                         | Energy Micro (Silicon Labs)                                                                             |
| DESCRIPTION                          | DGTL ISO 5KV 2CH GEN PURP 16SOIC                                                                        |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                              |
| QUANTITY AVAILABLE                   | 24762 pcs                                                                                               |
| DATA SHEET                           |  SI88420BC-IS.pdf    |
| VOLTAGE - SUPPLY                     | 3 V ~ 5.5 V                                                                                             |
| VOLTAGE - ISOLATION                  | 5000Vrms                                                                                                |
| TYPE                                 | General Purpose                                                                                         |
| TECHNOLOGY                           | Capacitive Coupling                                                                                     |
| SUPPLIER DEVICE PACKAGE              | 16-SOIC                                                                                                 |
| SERIES                               | -                                                                                                       |
| RISE / FALL TIME (TYP)               | 2.5ns, 2.5ns                                                                                            |
| PULSE WIDTH DISTORTION (MAX)         | 7ns                                                                                                     |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 18ns, 23ns                                                                                              |
| PACKAGE / CASE                       | 16-SOIC (0.295", 7.50mm Width)                                                                          |
| 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                                                                              |
| ISOLATED POWER                       | No                                                                                                      |
| INPUTS - SIDE 1/SIDE 2               | 2/0                                                                                                     |
| DETAILED DESCRIPTION                 | General Purpose Digital Isolator 5000Vrms 2 Channel 100Mbps 40kV/μs CMTI 16-SOIC (0.295", 7.50mm Width) |
| DATA RATE                            | 100Mbps                                                                                                 |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 40kV/μs                                                                                                 |
| CHANNEL TYPE                         | Unidirectional                                                                                          |

Related Tags

|                                          |                                      |                                              |
|------------------------------------------|--------------------------------------|----------------------------------------------|
| Energy Micro (Silicon Labs) SI88420BC-IS | SI88420BC-IS Distributor             | SI88420BC-IS Supplier                        |
| SI88420BC-IS Price                       | SI88420BC-IS Pictures                | SI88420BC-IS Image                           |
| SI88420BC-IS PDF Datasheet               | SI88420BC-IS Download Datasheet      | SI88420BC-IS Datasheet                       |
| SI88420BC-IS Stock                       | Buy SI88420BC-IS                     | Buy Energy Micro (Silicon Labs) SI88420BC-IS |
| Energy Micro (Silicon Labs) SI88420BC-IS | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor      |
| Energy Micro (Silicon Labs) SI88420BC-IS | Energy Micro SI88420BC-IS            | Energy Micro (Silicon Labs) SI88420BC-IS     |
| Silicon Laboratories SI88420BC-IS        | Silicon Labs SI88420BC-IS            |                                              |

Related Products

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
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| <div></div> <div><b>SI88420EC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 36457 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>SI88342EC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 20155 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>SI88421EC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 30080 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>SI88344EC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 20571 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>SI88344EC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 23066 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>SI88343EC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 22704 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>SI88420EC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 29498 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>SI88342EC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 17850 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>SI88420BC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 29397 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>SI88421BC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 25142 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>SI88343EC-IS</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 4CH GEN PURP 24SOIC<br/>In stock: 17813 pcs<br/><div>RFQ</div></div>  | <div></div> <div><b>SI88421BC-ISR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 2CH GEN PURP 16SOIC<br/>In stock: 33541 pcs<br/><div>RFQ</div></div> |