



Energy Micro (Silicon Labs)

### SI8451BB-B-IS1

Part Number:	SI8451BB-B-IS1
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	DGTL ISO 2.5KV GEN PURP 16SOIC
Datasheets:	<a href="#">SI8451BB-B-IS1.pdf</a>
RoHs Status:	Lead free / RoHS Compliant
Stock Condition:	35251 pcs stock
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 SI8451BB-B-IS1

PART NUMBER	SI8451BB-B-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	35251 pcs
DATA SHEET	<a href="#">SI8451BB-B-IS1.pdf</a>
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	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	4/1
DETAILED DESCRIPTION	General Purpose Digital Isolator 2500Vrms 5 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) SI8451BB-B-IS1	SI8451BB-B-IS1 Distributor	SI8451BB-B-IS1 Supplier
SI8451BB-B-IS1 Price	SI8451BB-B-IS1 Pictures	SI8451BB-B-IS1 Image
SI8451BB-B-IS1 PDF Datasheet	SI8451BB-B-IS1 Download Datasheet	SI8451BB-B-IS1 Datasheet
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Silicon Laboratories SI8451BB-B-IS1	Silicon Labs SI8451BB-B-IS1	

#### Related Products

<p><b>SI8451BB-A-IS1R</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 39523 pcs <a href="#">RFQ</a></p>	<p><b>SI8451BA-B-IS1R</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 58571 pcs <a href="#">RFQ</a></p>
<p><b>SI8452AA-A-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 47552 pcs <a href="#">RFQ</a></p>	<p><b>SI8451BA-B-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 53905 pcs <a href="#">RFQ</a></p>
<p><b>SI8451BB-A-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 32684 pcs <a href="#">RFQ</a></p>	<p><b>SI8451BB-B-IS1R</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 31970 pcs <a href="#">RFQ</a></p>
<p><b>SI8452AA-B-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 51373 pcs <a href="#">RFQ</a></p>	<p><b>SI8452AB-A-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 55206 pcs <a href="#">RFQ</a></p>
<p><b>SI8451BA-A-IS1R</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 60886 pcs <a href="#">RFQ</a></p>	<p><b>SI8451BA-A-IS1</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 46211 pcs <a href="#">RFQ</a></p>
<p><b>SI8451DB-T2-E1</b> Manufacturers: Electro-Films (EFI) / Vishay Description: MOSFET P-CH 20V 10.8A MICROFOOT In stock: 4522 pcs <a href="#">RFQ</a></p>	<p><b>SI8452AA-A-IS1R</b> Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 5CH GEN PURP 16SOIC In stock: 59845 pcs <a href="#">RFQ</a></p>

