




Energy Micro (Silicon Labs)

SI8442-B-IS

Part Number:	SI8442-B-IS
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description:	DGTL ISO 2.5KV GEN PURP 16SOIC
Datasheets:	PDF SI8442-B-IS.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 SI8442-B-IS

PART NUMBER	SI8442-B-IS
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 SI8442-B-IS.pdf
VOLTAGE - SUPPLY	2.375 V ~ 5.5 V
VOLTAGE - ISOLATION	2500Vrms
TYPE	General Purpose
TECHNOLOGY	Capacitive Coupling
SUPPLIER DEVICE PACKAGE	16-SOIC
SERIES	-
RISE / FALL TIME (TYP)	2ns, 2ns
PULSE WIDTH DISTORTION (MAX)	7.5ns
PROPAGATION DELAY TPLH / TPHL (MAX)	35ns, 35ns
PACKAGING	Tube
PACKAGE / CASE	16-SOIC (0.295", 7.50mm Width)
OTHER NAMES	336-1376 SI8442-B-IS-ND
OPERATING TEMPERATURE	-40°C ~ 125°C
NUMBER OF CHANNELS	4
MOUNTING TYPE	Surface Mount
MOISTURE SENSITIVITY LEVEL (MSL)	1 (Unlimited)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
ISOLATED POWER	No
INPUTS - SIDE 1/SIDE 2	2/2
DETAILED DESCRIPTION	General Purpose Digital Isolator 2500Vrms 4 Channel 10Mbps 25kV/μs CMTI 16-SOIC (0.295", 7.50mm Width)
DATA RATE	10Mbps
COMMON MODE TRANSIENT IMMUNITY (MIN)	25kV/μs
CHANNEL TYPE	Unidirectional

Related Tags

Energy Micro (Silicon Labs) SI8442-B-IS	SI8442-B-IS Distributor	SI8442-B-IS Supplier
SI8442-B-IS Price	SI8442-B-IS Pictures	SI8442-B-IS Image
SI8442-B-IS PDF Datasheet	SI8442-B-IS Download Datasheet	SI8442-B-IS Datasheet
SI8442-B-IS Stock	Buy SI8442-B-IS	Buy Energy Micro (Silicon Labs) SI8442-B-IS
Energy Micro (Silicon Labs) SI8442-B-IS	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
Energy Micro (Silicon Labs) SI8442-B-IS	Energy Micro SI8442-B-IS	Energy Micro (Silicon Labs) SI8442-B-IS
Silicon Laboratories SI8442-B-IS	Silicon Labs SI8442-B-IS	

Related Products

 <p>SI8441BB-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>	 <p>SI8442AA-C-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>
 <p>SI8442AA-C-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>	 <p>SI8442-C-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>
 <p>SI8442AB-C-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>	 <p>SI8441BB-D-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>
 <p>SI8441BB-D-ISR Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>	 <p>SI8441BB-D-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>
 <p>SI8442AA-D-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>	 <p>SI8442AA-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>
 <p>SI8441DB-T2-E1 Manufacturers: Electro-Films (EFI) / Vishay Description: MOSFET P-CH 20V 10.5A 2X2 6MFP In stock: Out stock</p> <p>RFQ</p>	 <p>SI8442-A-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock</p> <p>RFQ</p>