



Energy Micro (Silicon Labs)



Image may be representation. See specifications for product details.

SI8642EC-B-IS1

Part Number:	SI8642EC-B-IS1
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description	DGTL ISO 3.75KV GEN PURP 16SOIC
Datasheets:	 SI8642EC-B-IS1.pdf
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	33723 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of SI8642EC-B-IS1

PART NUMBER	SI8642EC-B-IS1
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	DGTL ISO 3.75KV GEN PURP 16SOIC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	33723 pcs
DATA SHEET	 SI8642EC-B-IS1.pdf
VOLTAGE - SUPPLY	2.5 V ~ 5.5 V
VOLTAGE - ISOLATION	3750Vrms
TYPE	General Purpose
TECHNOLOGY	Capacitive Coupling
SUPPLIER DEVICE PACKAGE	16-SOIC
SERIES	-
RISE / FALL TIME (TYP)	2.5ns, 2.5ns
PULSE WIDTH DISTORTION (MAX)	4.5ns
PROPAGATION DELAY TPLH / TPHL (MAX)	13ns, 13ns
PACKAGING	Tube
PACKAGE / CASE	16-SOIC (0.154", 3.90mm Width)
OTHER NAMES	336-2094-5 SI8642ECBIS1
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	2/2
DETAILED DESCRIPTION	General Purpose Digital Isolator 3750Vrms 4 Channel 150Mbps 35kV/μs CMTI 16-SOIC (0.154", 3.90mm Width)
DATA RATE	150Mbps
COMMON MODE TRANSIENT IMMUNITY (MIN)	35kV/μs
CHANNEL TYPE	Unidirectional

Related Tags

Energy Micro (Silicon Labs) SI8642EC-B-IS1	SI8642EC-B-IS1 Distributor	SI8642EC-B-IS1 Supplier
SI8642EC-B-IS1 Price	SI8642EC-B-IS1 Pictures	SI8642EC-B-IS1 Image
SI8642EC-B-IS1 PDF Datasheet	SI8642EC-B-IS1 Download Datasheet	SI8642EC-B-IS1 Datasheet
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Silicon Laboratories SI8642EC-B-IS1	Silicon Labs SI8642EC-B-IS1	

Related Products

 SI8642BT-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 24505 pcs RFQ	 SI8642ED-B-IS2R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV ISOLATOR, 150M, 2/2, In stock: 32051 pcs RFQ
 SI8642EC-B-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 40258 pcs RFQ	 SI8642BD-B-ISR Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 34388 pcs RFQ
 SI8642ED-B-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 28144 pcs RFQ	 SI8642BT-ISR Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 25324 pcs RFQ
 SI8642EB-B-IUR Manufacturers: Energy Micro (Silicon Labs) Description: QUAD CH 2.5KV ISOLATOR, 150M, 2/ In stock: 49580 pcs RFQ	 SI8642ED-B-ISR Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 29636 pcs RFQ
 SI8642ET-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 5KV 4CH GEN PURP 16SOIC In stock: 25717 pcs RFQ	 SI8642ED-B-IS2 Manufacturers: Energy Micro (Silicon Labs) Description: QUAD CH 5KV ISOLATOR In stock: 27147 pcs RFQ
 SI8642EB-B-IU Manufacturers: Energy Micro (Silicon Labs) Description: QUAD CH 2.5KV ISOLATOR, 150M, 2/ In stock: 36840 pcs RFQ	 SI8642BD-B-IS2R Manufacturers: Energy Micro (Silicon Labs) Description: QUAD CH 5KV ISOLATOR, 150M, 2/2, In stock: 31918 pcs RFQ