



SI8442BB-C-IS

Part Number:SI8442BB-C-IS

Manufacturer/Brand:Energy Micro (Silicon Labs)

Product description:IC ISOLATOR 4CH 5.5V 16-SOIC

Datasheets:[PDF SI8442BB-C-IS.pdf](#)

RoHs Status:Lead free / RoHS Compliant

Ship From:Hong Kong

Shipment Way:DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of SI8442BB-C-IS

PART NUMBER	SI8442BB-C-IS
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	IC ISOLATOR 4CH 5.5V 16-SOIC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	PDF SI8442BB-C-IS.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 (0.295", 7.50mm Width)
OTHER NAMES	336-1602-5
OPERATING TEMPERATURE	-40°C ~ 125°C
NUMBER OF CHANNELS	4
MOUNTING TYPE	Surface Mount
MOISTURE SENSITIVITY LEVEL (MSL)	2A (4 Weeks)
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 150Mbps 25kV/μs (Typ) CMTI 16-SOIC (0.295", 7.50mm Width)
DATA RATE	150Mbps
COMMON MODE TRANSIENT IMMUNITY (MIN)	25kV/μs (Typ)
CHANNEL TYPE	Unidirectional

Related Tags

Energy Micro (Silicon Labs) SI8442BB-C-IS	SI8442BB-C-IS Distributor	SI8442BB-C-IS Supplier
SI8442BB-C-IS Price	SI8442BB-C-IS Pictures	SI8442BB-C-IS Image
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SI8442BB-C-IS Stock	Buy SI8442BB-C-IS	Buy Energy Micro (Silicon Labs) SI8442BB-C-IS
Energy Micro (Silicon Labs) SI8442BB-C-IS	Energy Micro (Silicon Labs) Supplier	Energy Micro (Silicon Labs) Distributor
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Related Products

 SI8442BA-C-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock RFQ	 SI8442BA-D-IU Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP In stock: Out stock RFQ
 SI8442BB-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock RFQ	 SI8442BA-D-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock RFQ
 SI8442BB-D-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock RFQ	 SI8442BA-C-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock RFQ
 SI8442BA-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: Out stock RFQ	 SI8442BB-C-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: Out stock RFQ
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