



Energy Micro (Silicon Labs)



SI8442BA-D-IS1

Part Number:	SI8442BA-D-IS1
Manufacturer/Brand:	Energy Micro (Silicon Labs)
Product description	DGTL ISO 1KV 4CH GEN PURP 16SOIC
Datasheets:	 SI8442BA-D-IS1.pdf
RoHs Status	 Lead free / RoHS Compliant
Stock Condition	44676 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of SI8442BA-D-IS1

PART NUMBER	SI8442BA-D-IS1
MANUFACTURER	Energy Micro (Silicon Labs)
DESCRIPTION	DGTL ISO 1KV 4CH GEN PURP 16SOIC
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	44676 pcs
DATA SHEET	 SI8442BA-D-IS1.pdf
VOLTAGE - SUPPLY	2.7 V ~ 5.5 V
VOLTAGE - ISOLATION	1000Vrms
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	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 1000Vrms 4 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) SI8442BA-D-IS1	SI8442BA-D-IS1 Distributor	SI8442BA-D-IS1 Supplier
SI8442BA-D-IS1 Price	SI8442BA-D-IS1 Pictures	SI8442BA-D-IS1 Image
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Silicon Laboratories SI8442BA-D-IS1	Silicon Labs SI8442BA-D-IS1	

Related Products

 SI8442BB-C-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 36448 pcs RFQ	 SI8442AB-D-IS Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 53949 pcs RFQ
 SI8442BB-C-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 39785 pcs RFQ	 SI8442BA-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16SOIC In stock: 46488 pcs RFQ
 SI8442AB-D-IS1R Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 63908 pcs RFQ	 SI8442BA-D-IU Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP In stock: 41533 pcs RFQ
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 SI8442BA-D-IUR Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP In stock: 42179 pcs RFQ	 SI8442AB-D-IS1 Manufacturers: Energy Micro (Silicon Labs) Description: DGTL ISO 2.5KV GEN PURP 16SOIC In stock: 57199 pcs RFQ