



Image may be representation.  
See specifications for product details.

### SI8652ED-B-IS

Part Number: **SI8652ED-B-IS**  
 Product Description: DCTL ISO 5KV 5CH GEN PURP 16SOIC  
 RoHs Status: Lead free / RoHS Compliant  
 Datasheets: [SI8652ED-B-IS.pdf](#)

Manufacturer/Brand: Energy Micro (Silicon Labs)  
 Ship From: Hong Kong  
 Shipment Way: DHL/Fedex/TNT/UPS/EMS

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#### Product details

<b>Part Number</b>	SI8652ED-B-IS	<b>Manufacturer</b>	Energy Micro (Silicon Labs)
<b>Description</b>	DCTL ISO 5KV 5CH GEN PURP 16SOIC	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Data sheet</b>	SI8652ED-B-IS.pdf		
<b>Voltage - Supply</b>	2.5 V ~ 5.5 V	<b>Voltage - Isolation</b>	5000Vrms
<b>Type</b>	General Purpose	<b>Technology</b>	Capacitive Coupling
<b>Supplier Device Package</b>	16-SOIC	<b>Series</b>	-
<b>Rise / Fall Time (Typ)</b>	2.5ns, 2.5ns	<b>Pulse Width Distortion (Max)</b>	4.5ns
<b>Propagation Delay tpLH / tpHL (Max)</b>	13ns, 13ns	<b>Packaging</b>	Tube
<b>Package / Case</b>	16-SOIC (0.295", 7.50mm Width)	<b>Other Names</b>	336-2110-5 SI8652EDBIS
<b>Operating Temperature</b>	-40°C ~ 125°C	<b>Number of Channels</b>	5
<b>Mounting Type</b>	Surface Mount	<b>Moisture Sensitivity Level (MSL)</b>	2A (4 Weeks)
<b>Manufacturer Standard Lead Time</b>	6 Weeks	<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Isolated Power</b>	No	<b>Inputs - Side 1/Side 2</b>	3/2
<b>Detailed Description</b>	General Purpose Digital Isolator 5000Vrms 5 Channel 150Mbps 35kV/μs CMTI 16-SOIC (0.295", 7.50mm Width)	<b>Data Rate</b>	150Mbps
<b>Common Mode Transient Immunity (Min)</b>	35kV/μs	<b>Channel Type</b>	Unidirectional

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