



Image may be representation.
See specifications for product details.

SI8237AB-B-IS1R

Part Number: **SI8237AB-B-IS1R**
 Product Description: DCTL ISO 2.5KV GATE DRVR 16SOIC
 RoHs Status: Lead free / RoHS Compliant
 Datasheets: [SI8237AB-B-IS1R.pdf](#)

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

[SUBMIT RFQ](#)

Product details

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|--|--|---|-----------------------------|
| Part Number | SI8237AB-B-IS1R | Manufacturer | Energy Micro (Silicon Labs) |
| Description | DCTL ISO 2.5KV GATE DRVR 16SOIC | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Data sheet | SI8237AB-B-IS1R.pdf | | |
| Voltage - Supply | 6.5 V ~ 24 V | Voltage - Isolation | 2500Vrms |
| Voltage - Forward (Vf) (Typ) | - | Technology | Capacitive Coupling |
| Supplier Device Package | 16-SOIC | Series | Automotive, AEC-Q100 |
| Rise / Fall Time (Typ) | 20ns, 20ns (Max) | Pulse Width Distortion (Max) | 5.6ns |
| Propagation Delay tpLH / tpHL (Max) | 60ns, 60ns | Packaging | Tape & Reel (TR) |
| Package / Case | 16-SOIC (0.154", 3.90mm Width) | Operating Temperature | -40°C ~ 125°C |
| Number of Channels | 2 | Mounting Type | Surface Mount |
| Moisture Sensitivity Level (MSL) | 2A (4 Weeks) | Lead Free Status / RoHS Status | Lead free / RoHS Compliant |
| Detailed Description | 500mA Gate Driver Capacitive Coupling 2500Vrms 2 Channel 16-SOIC | Current - Peak Output | 500mA |
| Current - Output High, Low | 250mA, 500mA | Common Mode Transient Immunity (Min) | 20kV/μs |
| Approvals | CQC, CSA, UR, VDE | | |

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