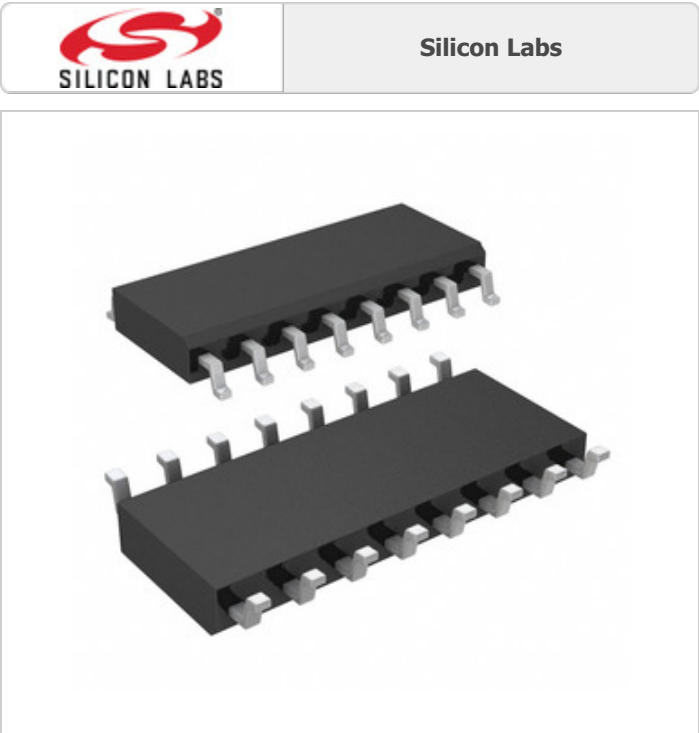




SI8285BD-IS

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | SI8285BD-IS                                                                                                  |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                                                  |
| Product description | OPTOISI 5KV GATE DRIVER 16SOIC                                                                               |
| Datasheets:         |  SI8285BD-IS.pdf            |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 44128 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of SI8285BD-IS

|                                     |                                                                                                     |
|-------------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                         | SI8285BD-IS                                                                                         |
| MANUFACTURER                        | Silicon Labs                                                                                        |
| DESCRIPTION                         | OPTOISI 5KV GATE DRIVER 16SOIC                                                                      |
| LEAD FREE STATUS / ROHS STATUS      | Lead free / RoHS Compliant                                                                          |
| QUANTITY AVAILABLE                  | 44128 pcs                                                                                           |
| DATA SHEET                          |  SI8285BD-IS.pdf |
| VOLTAGE - GATE TRIGGER (VGT) (MAX)  | 4A                                                                                                  |
| VOLTAGE - FORWARD (VF) (TYP)        | 5ns                                                                                                 |
| VOLTAGE - BREAKDOWN                 | 16-SOIC                                                                                             |
| TIMING                              | 2.5A, 3A                                                                                            |
| TECHNOLOGY                          | Capacitive Coupling                                                                                 |
| SHELL STYLE                         | 9.5 V ~ 30 V                                                                                        |
| SERIES                              | -                                                                                                   |
| ROHS STATUS                         | Tube                                                                                                |
| PULSE WIDTH DISTORTION (MAX)        | 50ns, 50ns                                                                                          |
| PROPAGATION DELAY TPLH / TPHL (MAX) | 35kV/µs                                                                                             |
| POLARIZATION                        | 16-SOIC (0.295", 7.50mm Width)                                                                      |
| OTHER NAMES                         | 336-3512                                                                                            |
| OPERATING TEMPERATURE               | -40°C ~ 125°C                                                                                       |
| NUMBER OF CHANNELS                  | 1                                                                                                   |
| MOUNTING TYPE                       | Surface Mount                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL)    | 6 (Time on Label)                                                                                   |
| MANUFACTURER PART NUMBER            | SI8285BD-IS                                                                                         |
| HIGH SIDE VOLTAGE - MAX (BOOTSTRAP) | 5.5ns, 8.5ns                                                                                        |
| EXPANDED DESCRIPTION                | 4A Gate Driver Capacitive Coupling 5000Vrms 1 Channel 16-SOIC                                       |
| DESCRIPTION                         | OPTOISI 5KV GATE DRIVER 16SOIC                                                                      |
| CURRENT TRANSFER RATIO (MIN)        | -                                                                                                   |
| CURRENT - DC FORWARD (IF) (MAX)     | -                                                                                                   |
| CURRENT - BREAKOVER                 | 5000Vrms                                                                                            |
| APPROVALS                           | CQC, CSA, UR, VDE                                                                                   |

Related Tags

|                                         |                                      |                                             |
|-----------------------------------------|--------------------------------------|---------------------------------------------|
| Energy Micro (Silicon Labs) SI8285BD-IS | SI8285BD-IS Distributor              | SI8285BD-IS Supplier                        |
| SI8285BD-IS Price                       | SI8285BD-IS Pictures                 | SI8285BD-IS Image                           |
| SI8285BD-IS PDF Datasheet               | SI8285BD-IS Download Datasheet       | SI8285BD-IS Datasheet                       |
| SI8285BD-IS Stock                       | Buy SI8285BD-IS                      | Buy Energy Micro (Silicon Labs) SI8285BD-IS |
| Energy Micro (Silicon Labs) SI8285BD-IS | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor     |
| Energy Micro (Silicon Labs) SI8285BD-IS | Energy Micro SI8285BD-IS             | Energy Micro (Silicon Labs) SI8285BD-IS     |
| Silicon Laboratories SI8285BD-IS        | Silicon Labs SI8285BD-IS             |                                             |

Related Products

|                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>SILICON LABS</div></div> <div>SI8284BD-IS<br/>Manufacturers: Silicon Labs<br/>Description: OPTOISI 5KV GATE DRIVER 24SOIC<br/>In stock: 22698 pcs<br/>RFQ</div> | <div></div> <div>SI8285CC-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 54752 pcs<br/>RFQ</div>    |
| <div></div> <div>SI8284CC-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 21110 pcs<br/>RFQ</div>         | <div></div> <div>SI8285_86-KIT<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: EVALUATION KIT FOR SI8285 AND SI<br/>In stock: 4030 pcs<br/>RFQ</div> |
| <div></div> <div>SI8285CD-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 1CH GATE DVR 16SOIC<br/>In stock: 44867 pcs<br/>RFQ</div>       | <div></div> <div>SI8285BC-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 42514 pcs<br/>RFQ</div>    |
| <div></div> <div>SI8285BC-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 42784 pcs<br/>RFQ</div>          | <div></div> <div>SI8285CD-ISR<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 1CH GATE DVR 16SOIC<br/>In stock: 38969 pcs<br/>RFQ</div> |
| <div></div> <div>SI8284CD-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 5KV 1CH GATE DVR 24SOIC<br/>In stock: 18740 pcs<br/>RFQ</div>       | <div></div> <div>SI8285CC-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 46392 pcs<br/>RFQ</div>     |
| <div></div> <div>SI8284CC-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 23788 pcs<br/>RFQ</div>          | <div></div> <div>SI8286BC-IS<br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: DGTL ISO 3.75KV 1CH GATE DRVR<br/>In stock: 56228 pcs<br/>RFQ</div>     |