



Image may be representation. See specifications for product details.

1SC0450E2A0-45

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | 1SC0450E2A0-45                                                                                               |
| Manufacturer/Brand: | Power Integrations                                                                                           |
| Product description | IC SINGLE GATE DRIVER 50A                                                                                    |
| Datasheets:         |  1SC0450E2A0-45.pdf         |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 580 pcs stock                                                                                                |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

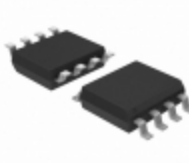
Specifications of 1SC0450E2A0-45

|                                      |                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | 1SC0450E2A0-45                                                                                         |
| MANUFACTURER                         | Power Integrations                                                                                     |
| DESCRIPTION                          | IC SINGLE GATE DRIVER 50A                                                                              |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE                   | 580 pcs                                                                                                |
| DATA SHEET                           |  1SC0450E2A0-45.pdf |
| VOLTAGE - SUPPLY                     | 14.5 V ~ 15.5 V                                                                                        |
| SUPPLIER DEVICE PACKAGE              | Module                                                                                                 |
| SERIES                               | SCALE™-2                                                                                               |
| RISE / FALL TIME (TYP)               | 30ns, 25ns                                                                                             |
| PACKAGING                            | Tray                                                                                                   |
| PACKAGE / CASE                       | Module                                                                                                 |
| OTHER NAMES                          | 1810-1004                                                                                              |
| OPERATING TEMPERATURE                | -40°C ~ 85°C (TA)                                                                                      |
| NUMBER OF DRIVERS                    | 1                                                                                                      |
| MOUNTING TYPE                        | Surface Mount                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 1 (Unlimited)                                                                                          |
| LOGIC VOLTAGE - VIL, VIH             | -                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                             |
| INPUT TYPE                           | -                                                                                                      |
| HIGH SIDE VOLTAGE - MAX (BOOTSTRAP)  | 4500V                                                                                                  |
| GATE TYPE                            | IGBT                                                                                                   |
| DRIVEN CONFIGURATION                 | High-Side or Low-Side                                                                                  |
| DETAILED DESCRIPTION                 | High-Side or Low-Side Gate Driver IC Module                                                            |
| CURRENT - PEAK OUTPUT (SOURCE, SINK) | 50A, 50A                                                                                               |
| CHANNEL TYPE                         | Single                                                                                                 |

Related Tags

|                                   |                                   |                                       |
|-----------------------------------|-----------------------------------|---------------------------------------|
| Power Integrations 1SC0450E2A0-45 | 1SC0450E2A0-45 Distributor        | 1SC0450E2A0-45 Supplier               |
| 1SC0450E2A0-45 Price              | 1SC0450E2A0-45 Pictures           | 1SC0450E2A0-45 Image                  |
| 1SC0450E2A0-45 PDF Datasheet      | 1SC0450E2A0-45 Download Datasheet | 1SC0450E2A0-45 Datasheet              |
| 1SC0450E2A0-45 Stock              | Buy 1SC0450E2A0-45                | Buy Power Integrations 1SC0450E2A0-45 |
| Power Integrations 1SC0450E2A0-45 | Power Integrations Supplier       | Power Integrations Distributor        |
| Power Integrations 1SC0450E2A0-45 |                                   |                                       |

Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>TC4427VOA713</b><br/>Manufacturers: Micrel / Microchip Technology<br/>Description: IC MOSFET DVR 1.5A DUAL HS 8SOIC<br/>In stock: 94128 pcs</p> <p>RFQ</p>                   |  <p><b>1SC0450E2A0-65</b><br/>Manufacturers: Power Integrations<br/>Description: IC SINGLE GATE DRIVER 50A<br/>In stock: 601 pcs</p> <p>RFQ</p>      |
|  <p><b>TPS2835D</b><br/>Manufacturers: N/A<br/>Description: IC SYNC BUCK FET DRIVER 14-SOIC<br/>In stock: 30279 pcs</p> <p>RFQ</p>                                                  |  <p><b>LM5114BSD/NOPB</b><br/>Manufacturers: N/A<br/>Description: IC MOSFET GATE DRVR 7.6A 6WSON<br/>In stock: 53581 pcs</p> <p>RFQ</p>             |
|  <p><b>IR2128STRPBF</b><br/>Manufacturers: International Rectifier (Infineon Technologies)<br/>Description: IC MOSFET DRIVER CUR-SENSE 8SOIC<br/>In stock: 59479 pcs</p> <p>RFQ</p> |  <p><b>1SC0450V2B0-65</b><br/>Manufacturers: Power Integrations<br/>Description: GATE DRIVER CORE SCALE-2 6500V<br/>In stock: 688 pcs</p> <p>RFQ</p> |
|  <p><b>1SC0450E2B0-45</b><br/>Manufacturers: Power Integrations<br/>Description: GATE DRIVER CORE SCALE-2 4500V<br/>In stock: 735 pcs</p> <p>RFQ</p>                                |  <p><b>1SC0450V2A0-45</b><br/>Manufacturers: Power Integrations<br/>Description: IC SINGLE GATE DRIVER 50A<br/>In stock: 444 pcs</p> <p>RFQ</p>      |
|  <p><b>1SC0450V2A0-65</b><br/>Manufacturers: Power Integrations<br/>Description: IC SINGLE GATE DRIVER 50A<br/>In stock: 335 pcs</p> <p>RFQ</p>                                     |  <p><b>1SC2060P2A0-17</b><br/>Manufacturers: Power Integrations<br/>Description: IC SINGLE GATE DRIVER 60A<br/>In stock: 542 pcs</p> <p>RFQ</p>      |
|  <p><b>1SC0450V2B0-45</b><br/>Manufacturers: Power Integrations<br/>Description: GATE DRIVER CORE SCALE-2 4500V<br/>In stock: 775 pcs</p> <p>RFQ</p>                                |  <p><b>1SC0450E2B0-65</b><br/>Manufacturers: Power Integrations<br/>Description: GATE DRIVER CORE SCALE-2 6500V<br/>In stock: 608 pcs</p> <p>RFQ</p> |