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**Avago Technologies (Broadcom**



Image may be representation. See specifications for product details.

HCPL-J312-000E

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | HCPL-J312-000E                                                                                                       |
| Manufacturer/Brand: | Avago Technologies (Broadcom Limited)                                                                                |
| Product description | OPTOISO 3.75KV 1CH GATE DVR 8DIP                                                                                     |
| Datasheets:         |  <a href="#">HCPL-J312-000E.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant         |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Specifications of HCPL-J312-000E

|                                      |                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | HCPL-J312-000E                                                                                                         |
| MANUFACTURER                         | Avago Technologies (Broadcom Limited)                                                                                  |
| DESCRIPTION                          | OPTOISO 3.75KV 1CH GATE DVR 8DIP                                                                                       |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                             |
| DATA SHEET                           |  <a href="#">HCPL-J312-000E.pdf</a> |
| VOLTAGE - SUPPLY                     | 15 V ~ 30 V                                                                                                            |
| VOLTAGE - ISOLATION                  | 3750Vrms                                                                                                               |
| VOLTAGE - FORWARD (VF) (TYP)         | 1.6V                                                                                                                   |
| TECHNOLOGY                           | Optical Coupling                                                                                                       |
| SUPPLIER DEVICE PACKAGE              | 8-DIP                                                                                                                  |
| SERIES                               | -                                                                                                                      |
| RISE / FALL TIME (TYP)               | 100ns, 100ns                                                                                                           |
| PULSE WIDTH DISTORTION (MAX)         | 300ns                                                                                                                  |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 500ns, 500ns                                                                                                           |
| PACKAGING                            | Tube                                                                                                                   |
| PACKAGE / CASE                       | 8-DIP (0.300", 7.62mm)                                                                                                 |
| OTHER NAMES                          | 516-1879-5<br>HCPL-J312-000E-ND<br>HCPLJ312000E                                                                        |
| OPERATING TEMPERATURE                | -40°C ~ 100°C                                                                                                          |
| NUMBER OF CHANNELS                   | 1                                                                                                                      |
| MOUNTING TYPE                        | Through Hole                                                                                                           |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 1 (Unlimited)                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME      | 16 Weeks                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                             |
| DETAILED DESCRIPTION                 | 2.5A Gate Driver Optical Coupling 3750Vrms 1 Channel 8-DIP                                                             |
| CURRENT - PEAK OUTPUT                | 2.5A                                                                                                                   |
| CURRENT - OUTPUT HIGH, LOW           | 2A, 2A                                                                                                                 |
| CURRENT - DC FORWARD (IF) (MAX)      | 25mA                                                                                                                   |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 25kV/μs                                                                                                                |
| APPROVALS                            | CSA, IEC/EN/DIN, UR                                                                                                    |

Related Tags

|                                                      |                                                      |                                                          |
|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|
| Avago Technologies (Broadcom Limited) HCPL-J312-000E | HCPL-J312-000E Distributor                           | HCPL-J312-000E Supplier                                  |
| HCPL-J312-000E Price                                 | HCPL-J312-000E Pictures                              | HCPL-J312-000E Image                                     |
| HCPL-J312-000E PDF Datasheet                         | HCPL-J312-000E Download Datasheet                    | HCPL-J312-000E Datasheet                                 |
| HCPL-J312-000E Stock                                 | Buy HCPL-J312-000E                                   | Buy Avago Technologies (Broadcom Limited) HCPL-J312-000E |
| Avago Technologies (Broadcom Limited) HCPL-J312-000E | Avago Technologies (Broadcom Limited) Supplier       | Avago Technologies (Broadcom Limited) Distributor        |
| Avago Technologies (Broadcom Limited) HCPL-J312-000E | Avago Technologies Limited HCPL-J312-000E            | Avago Technologies US Inc. HCPL-J312-000E                |
| Avago Technologies HCPL-J312-000E                    | Avago Technologies (Broadcom Limited) HCPL-J312-000E | Broadcom Limited HCPL-J312-000E                          |

Related Products

|                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>HCPL-9031-300E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: DGTL ISO 2.5KV 2CH GEN PURP 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>HCPL-J312-500E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>HCPL-J312-300E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>HCPL-J312#300</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>HCPL-9031-500E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: DGTL ISO 2.5KV 2CH GEN PURP 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>HCPL-J314#500</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>HCPL-J314</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV 1CH GATE DVR 8DIP<br/>In stock: Out stock<br/><div>RFQ</div></div>      |  <div><b>HCPL-J312</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV 1CH GATE DVR 8DIP<br/>In stock: Out stock<br/><div>RFQ</div></div>      |
|  <div><b>HCPL-J314#300</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>HCPL-J314-000E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV 1CH GATE DVR 8DIP<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>HCPL-9031-500</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: DGTL ISO 2.5KV 2CH GEN PURP 8SO<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>HCPL-J312#500</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><div>RFQ</div></div>  |