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**Avago Technologies (Broadcom**



### HCPL-315J-500E

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | HCPL-315J-500E                                                                                                       |
| Manufacturer/Brand: | Avago Technologies (Broadcom Limited)                                                                                |
| Product description | OPTOISO 5KV 2CH GATE DRIVER 16SO                                                                                     |
| Datasheets:         |  <a href="#">HCPL-315J-500E.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-315J-500E

|                                      |                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | HCPL-315J-500E                                                                                                         |
| MANUFACTURER                         | Avago Technologies (Broadcom Limited)                                                                                  |
| DESCRIPTION                          | OPTOISO 5KV 2CH GATE DRIVER 16SO                                                                                       |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                             |
| DATA SHEET                           |  <a href="#">HCPL-315J-500E.pdf</a> |
| VOLTAGE - SUPPLY                     | 15 V ~ 30 V                                                                                                            |
| VOLTAGE - ISOLATION                  | 5000Vrms                                                                                                               |
| VOLTAGE - FORWARD (VF) (TYP)         | 1.6V                                                                                                                   |
| TECHNOLOGY                           | Optical Coupling                                                                                                       |
| SUPPLIER DEVICE PACKAGE              | 16-SO                                                                                                                  |
| SERIES                               | -                                                                                                                      |
| RISE / FALL TIME (TYP)               | 100ns, 100ns                                                                                                           |
| PULSE WIDTH DISTORTION (MAX)         | 300ns                                                                                                                  |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 500ns, 500ns                                                                                                           |
| PACKAGING                            | Tape & Reel (TR)                                                                                                       |
| PACKAGE / CASE                       | 16-SOIC (0.295", 7.50mm Width), 12 Leads                                                                               |
| OTHER NAMES                          | 516-3210-2<br>HCPL-315J-500E-ND                                                                                        |
| OPERATING TEMPERATURE                | -40°C ~ 100°C                                                                                                          |
| NUMBER OF CHANNELS                   | 2                                                                                                                      |
| MOUNTING TYPE                        | Surface Mount                                                                                                          |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 1 (Unlimited)                                                                                                          |
| MANUFACTURER STANDARD LEAD TIME      | 12 Weeks                                                                                                               |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                                             |
| DETAILED DESCRIPTION                 | 600mA Gate Driver Optical Coupling 5000Vrms 2 Channel 16-SO                                                            |
| CURRENT - PEAK OUTPUT                | 600mA                                                                                                                  |
| CURRENT - OUTPUT HIGH, LOW           | 500mA, 500mA                                                                                                           |
| CURRENT - DC FORWARD (IF) (MAX)      | 25mA                                                                                                                   |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 15kV/μs                                                                                                                |
| APPROVALS                            | CSA, IEC/EN/DIN, UR                                                                                                    |

#### Related Tags

|                                                      |                                                      |                                                          |
|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------|
| Avago Technologies (Broadcom Limited) HCPL-315J-500E | HCPL-315J-500E Distributor                           | HCPL-315J-500E Supplier                                  |
| HCPL-315J-500E Price                                 | HCPL-315J-500E Pictures                              | HCPL-315J-500E Image                                     |
| HCPL-315J-500E PDF Datasheet                         | HCPL-315J-500E Download Datasheet                    | HCPL-315J-500E Datasheet                                 |
| HCPL-315J-500E Stock                                 | Buy HCPL-315J-500E                                   | Buy Avago Technologies (Broadcom Limited) HCPL-315J-500E |
| Avago Technologies (Broadcom Limited) HCPL-315J-500E | Avago Technologies (Broadcom Limited) Supplier       | Avago Technologies (Broadcom Limited) Distributor        |
| Avago Technologies (Broadcom Limited) HCPL-315J-500E | Avago Technologies Limited HCPL-315J-500E            | Avago Technologies US Inc. HCPL-315J-500E                |
| Avago Technologies HCPL-315J-500E                    | Avago Technologies (Broadcom Limited) HCPL-315J-500E | Broadcom Limited HCPL-315J-500E                          |

#### Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                        |
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|  <div><b>HCPL-3180</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV 1CH GATE DVR 8DIP<br/>In stock: Out stock<br/><b>RFQ</b></div>      |  <div><b>HCPL-3150-360E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>HCPL-316J</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: Out stock<br/><b>RFQ</b></div>      |  <div><b>HCPL-316J-000E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>HCPL-316J-500E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: Out stock<br/><b>RFQ</b></div> |  <div><b>HCPL-3150-560E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV GATE DRVR 8DIP GW<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>HCPL-315J-000E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: 975 pcs<br/><b>RFQ</b></div>   |  <div><b>HCPL-3180-000E</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 3.75KV 1CH GATE DVR 8DIP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>HCPL-316J#500</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: Out stock<br/><b>RFQ</b></div>  |  <div><b>HCPL-315J</b><br/>Manufacturers: Avago Technologies (Broadcom Limited)<br/>Description: OPTOISO 5KV 2CH GATE DRIVER 16SO<br/>In stock: Out stock<br/><b>RFQ</b></div>      |
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