

ON Semiconductor®

ON

AMI Semiconductor / ON

Semiconductor



FOD8314T

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | FOD8314T                                                                                                     |
| Manufacturer/Brand: | AMI Semiconductor / ON Semiconductor                                                                         |
| Product description | OPTOISO 5KV 1CH GATE DRIVER 6SOP                                                                             |
| Datasheets:         |  FOD8314T.pdf               |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 50235 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of FOD8314T

|                                      |                                                                                                  |
|--------------------------------------|--------------------------------------------------------------------------------------------------|
| PART NUMBER                          | FOD8314T                                                                                         |
| MANUFACTURER                         | AMI Semiconductor / ON Semiconductor                                                             |
| DESCRIPTION                          | OPTOISO 5KV 1CH GATE DRIVER 6SOP                                                                 |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                       |
| QUANTITY AVAILABLE                   | 50235 pcs                                                                                        |
| DATA SHEET                           |  FOD8314T.pdf |
| VOLTAGE - SUPPLY                     | 16 V ~ 30 V                                                                                      |
| VOLTAGE - ISOLATION                  | 5000Vrms                                                                                         |
| VOLTAGE - FORWARD (VF) (TYP)         | 1.5V                                                                                             |
| TECHNOLOGY                           | Optical Coupling                                                                                 |
| SUPPLIER DEVICE PACKAGE              | 6-SOP                                                                                            |
| SERIES                               | -                                                                                                |
| RISE / FALL TIME (TYP)               | 60ns, 40ns                                                                                       |
| PULSE WIDTH DISTORTION (MAX)         | 300ns                                                                                            |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 500ns, 500ns                                                                                     |
| PACKAGING                            | Tube                                                                                             |
| PACKAGE / CASE                       | 6-SOIC (0.268" , 6.80mm Width)                                                                   |
| OPERATING TEMPERATURE                | -40°C ~ 100°C                                                                                    |
| NUMBER OF CHANNELS                   | 1                                                                                                |
| MOUNTING TYPE                        | Surface Mount                                                                                    |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 1 (Unlimited)                                                                                    |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                       |
| DETAILED DESCRIPTION                 | 1.5A Gate Driver Optical Coupling 5000Vrms 1 Channel 6-SOP                                       |
| CURRENT - PEAK OUTPUT                | 1.5A                                                                                             |
| CURRENT - OUTPUT HIGH, LOW           | 1A, 1A                                                                                           |
| CURRENT - DC FORWARD (IF) (MAX)      | 25mA                                                                                             |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 20kV/μs                                                                                          |
| APPROVALS                            | UL                                                                                               |

Related Tags

|                                                    |                                                     |                                                   |
|----------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|
| AMI Semiconductor / ON Semiconductor FOD8314T      | FOD8314T Distributor                                | FOD8314T Supplier                                 |
| FOD8314T Price                                     | FOD8314T Pictures                                   | FOD8314T Image                                    |
| FOD8314T PDF Datasheet                             | FOD8314T Download Datasheet                         | FOD8314T Datasheet                                |
| FOD8314T Stock                                     | Buy FOD8314T                                        | Buy AMI Semiconductor / ON Semiconductor FOD8314T |
| AMI Semiconductor / ON Semiconductor FOD8314T      | AMI Semiconductor / ON Semiconductor Supplier       | AMI Semiconductor / ON Semiconductor Distributor  |
| AMI Semiconductor / ON Semiconductor FOD8314T      | ON Semiconductor FOD8314T                           | Aptina / ON Semiconductor FOD8314T                |
| Catalyst Semiconductor / ON Semiconductor FOD8314T | PulseCore Semiconductor / ON Semiconductor FOD8314T | Sanyo Semiconductor / ON Semiconductor FOD8314T   |

Related Products

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| <div></div> <div><b>FOD8316V</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 4.243KV GATE DRIVER 16SO<br/>In stock: 20206 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>FOD8314TR2V</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP<br/>In stock: 71050 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>FOD819S</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: 4PB TR SMD<br/>In stock: 331415 pcs<br/><div>RFQ</div></div>                          | <div></div> <div><b>FOD8316R2V</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 4.243KV GATE DRIVER 16SO<br/>In stock: 40428 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>FOD8314TR2</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP<br/>In stock: 114995 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>FOD819SD</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: 4PB TR SMD<br/>In stock: 326795 pcs<br/><div>RFQ</div></div>                          |
| <div></div> <div><b>FOD8314</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP<br/>In stock: 50125 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>FOD8316</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 4.243KV GATE DRVR 16SO<br/>In stock: 16724 pcs<br/><div>RFQ</div></div>        |
| <div></div> <div><b>FOD8316R2</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 4.243KV GATE DRIVER 16SO<br/>In stock: 42748 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>FOD8314R2</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP<br/>In stock: 112040 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>FOD819</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: 4PB TR DIP<br/>In stock: 117923 pcs<br/><div>RFQ</div></div>                           | <div></div> <div><b>FOD817X_5699W</b><br/>Manufacturers: AMI Semiconductor / ON Semiconductor<br/>Description: OPTOISOLATOR 5KV TRANSISTOR 4DIP<br/>In stock: 6998 pcs<br/><div>RFQ</div></div> |