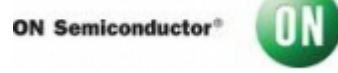


**FOD8318**



**Part Number:** [FOD8318](#)  
**Manufacturer:** [AMI Semiconductor / ON Semiconductor](#)  
**Description:** OPTOISO 4.243KV GATE DRIVER 16SO  
**Data sheet:** [FOD8318](#)

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
 See Product Specifications for product details.  
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**PRODUCT PARAMETER**

<b>Part Number</b>	<a href="#">FOD8318</a>
<b>Manufacturer</b>	<a href="#">AMI Semiconductor / ON Semiconductor</a>
<b>Description</b>	OPTOISO 4.243KV GATE DRIVER 16SO
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	34929 pcs
<b>Product Photo</b>	<a href="#">FOD8318.jpg</a>
<b>Category</b>	<a href="#">Isolators</a>
<b>Voltage - Supply</b>	15 V ~ 30 V
<b>Voltage - Isolation</b>	4243Vrms
<b>Voltage - Forward (Vf) (Typ)</b>	-
<b>Technology</b>	Optical Coupling
<b>Supplier Device Package</b>	16-SO
<b>Series</b>	-
<b>Rise / Fall Time (Typ)</b>	34ns, 34ns
<b>Pulse Width Distortion (Max)</b>	300ns
<b>Propagation Delay tpLH / tpHL (Max)</b>	500ns, 500ns
<b>Packaging</b>	Tube
<b>Package / Case</b>	16-SOIC (0.295", 7.50mm Width)
<b>Operating Temperature</b>	-40°C ~ 100°C
<b>Number of Channels</b>	1
<b>Mounting Type</b>	Surface Mount
<b>Moisture Sensitivity Level (MSL)</b>	1 (Unlimited)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Detailed Description</b>	3A Gate Driver Optical Coupling 4243Vrms 1 Channel 16-SO
<b>Current - Peak Output</b>	3A
<b>Current - Output High, Low</b>	2.5A, 2.5A
<b>Common Mode Transient Immunity (Min)</b>	35kV/μs
<b>Approvals</b>	UL

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	Part#: <a href="#">FOD8316R2</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 40281	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8321R2</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 74985	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8318R2</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 25963	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8314</a> Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 76654	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8314R2</a> Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 80657	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8314TR2</a> Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 81638	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8321R2V</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 65748	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8318V</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 37196	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8316</a> Description: OPTOISO 4.243KV GATE DRVR 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 43259	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8316R2V</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 41201	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8314TR2V</a> Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 73887	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8316V</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 41848	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8318R2V</a> Description: OPTOISO 4.243KV GATE DRIVER 16SO	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 42556	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8320V</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 59171	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8321</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 81863	<a href="#">RFQ</a>
	Part#: <a href="#">FOD819SD</a> Description: 4PB TR SMD	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 247390	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8320R2</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 58810	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8320R2V</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 59070	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8314T</a> Description: OPTOISO 5KV 1CH GATE DRIVER 6SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 67542	<a href="#">RFQ</a>
	Part#: <a href="#">FOD8320</a> Description: OPTOISO 5KV 1CH GATE DRIVER 5SOP	Manufacturers: <a href="#">AMI Semiconductor / ON Semiconductor</a> In Stock: 47054	<a href="#">RFQ</a>

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