

**FOD3120S Information**


For Reference Only

**Part Number** [FOD3120S](#)  
**Manufacturer** Fairchild/ON Semiconductor  
**Category** Isolators  
[Isolators - Gate Drivers](#)  
**Description** OPTOISO 5KV GATE DRIVER 8SMDIP  
**Package** 8-SMD, Gull Wing  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**FOD3120S Specifications**

|                                      |   |
|--------------------------------------|---|
| Manufacturer Part Number             | <a href="#">FOD3120S</a>                              |
| Manufacturer                         | Fairchild/ON Semiconductor                            |
| Category                             | Isolators<br><a href="#">Isolators - Gate Drivers</a> |
| Package                              | 8-SMD, Gull Wing                                      |
| Series                               | -   |
| Technology                           | Optical Coupling                                      |
| Number of Channels                   | 1   |
| Voltage - Isolation                  | 5000Vrms  |
| Common Mode Transient Immunity (Min) | 35kV/μs   |
| Propagation Delay tpLH / tpHL (Max)  | 400ns, 400ns  |
| Pulse Width Distortion (Max)         | 100ns   |
| Rise / Fall Time (Typ)               | 60ns, 60ns  |
| Current - Output High, Low           | 2A, 2A  |
| Current - Peak Output                | 3A  |
| Voltage - Forward (Vf) (Typ)         | 1.5V  |
| Current - DC Forward (If) (Max)      | 25mA  |
| Voltage - Supply                     | 15 V ~ 30 V   |
| Operating Temperature                | -40°C ~ 100°C   |
| Mounting Type                        | Surface Mount   |
| Package / Case                       | 8-SMD, Gull Wing                                      |
| Supplier Device Package              | 8-SMD   |
| Approvals                            | UL  |

[Report errors?](#)

## FOD3120S Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## FOD3120S Payment Methods



## FOD3120S Shipping Methods



If you have any question about FOD3120S, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)