

### 3SM0 Information



For Reference Only

**Part Number** [3SM0](#)  
**Manufacturer** Semtech Corporation  
**Category** Discrete Semiconductor Products  
[Diodes - Rectifiers - Single](#)  
**Description** DIODE GEN PURP 1KV 5A AXIAL  
**Package** Axial  
 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.



### 3SM0 Specifications

|                                   |   |
|-----------------------------------|---|
| Manufacturer Part Number          | <a href="#">3SM0</a>  |
| Manufacturer                      | Semtech Corporation   |
| Category                          | Discrete Semiconductor Products<br><a href="#">Diodes - Rectifiers - Single</a> |
| Package                           | Axial   |
| Series                            | Automotive, AEC-Q101  |
| Diode Type                        | Standard  |
| Voltage - DC Reverse (Vr) (Max)   | 1000V   |
| Current - Average Rectified (Io)  | 5A  |
| Voltage - Forward (Vf) (Max) @ If | 1V @ 3A   |
| Speed                             | Fast Recovery =< 500ns, > 200mA (Io)  |
| Reverse Recovery Time (trr)       | 2µs   |
| Current - Reverse Leakage @ Vr    | 1µA @ 2000V   |
| Capacitance @ Vr, F               | 92pF @ 5V, 1MHz   |
| Mounting Type                     | Through Hole  |
| Package / Case                    | Axial   |
| Supplier Device Package           | Axial   |
| Operating Temperature - Junction  | -   |

[Report errors?](#)

## 3SM0 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.

## 3SM0 Payment Methods



## 3SM0 Shipping Methods



If you have any question about 3SM0, please do not hesitate to contact us!

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