

**SD4145 Information**


For Reference Only

**Part Number** [SD4145](#)  
**Manufacturer** GeneSiC Semiconductor  
**Category** Discrete Semiconductor Products  
                   [Diodes - Rectifiers - Single](#)  
**Description** DIODE SCHOTTKY 45V 30A DO4  
**Package** DO-203AA, DO-4, Stud  
 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.


**SD4145 Specifications**

|                                   |  |
|-----------------------------------|--|
| Manufacturer Part Number          | <a href="#">SD4145</a>                       |
| Manufacturer                      | GeneSiC Semiconductor                        |
| Category                          | Discrete Semiconductor Products              |
|                                   | <a href="#">Diodes - Rectifiers - Single</a> |
| Package                           | DO-203AA, DO-4, Stud                         |
| Series                            | -  |
| Diode Type                        | Schottky                                     |
| Voltage - DC Reverse (Vr) (Max)   | 45V  |
| Current - Average Rectified (Io)  | 30A  |
| Voltage - Forward (Vf) (Max) @ If | 680mV @ 30A                                  |
| Speed                             | Fast Recovery =< 500ns, > 200mA (Io)         |
| Reverse Recovery Time (trr)       | -  |
| Current - Reverse Leakage @ Vr    | 1.5mA @ 35V                                  |
| Capacitance @ Vr, F               | -  |
| Mounting Type                     | Chassis, Stud Mount                          |
| Package / Case                    | DO-203AA, DO-4, Stud                         |
| Supplier Device Package           | DO-4   |
| Operating Temperature - Junction  | -55°C ~ 150°C                                |

[Report errors?](#)

## SD4145 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.

## SD4145 Payment Methods



## SD4145 Shipping Methods



If you have any question about SD4145, please do not hesitate to contact us!

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

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