

**181NQ045-1 Information**


For Reference Only

**Part Number** 181NQ045-1  
**Manufacturer** SMC Diode Solutions  
**Category** Discrete Semiconductor Products  
     [Diodes - Rectifiers - Single](#)  
**Description** DIODE SCHOTTKY 45V 180A PRM1-1  
**Package** HALF-PAK  
 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.


**181NQ045-1 Specifications**

Manufacturer Part Number	181NQ045-1
Manufacturer	SMC Diode Solutions
Category	Discrete Semiconductor Products <a href="#">Diodes - Rectifiers - Single</a>
Package	HALF-PAK
Series	-
Diode Type	Schottky
Voltage - DC Reverse (Vr) (Max)	45V
Current - Average Rectified (Io)	180A
Voltage - Forward (Vf) (Max) @ If	660mV @ 180A
Speed	Fast Recovery =< 500ns, > 200mA (Io)
Reverse Recovery Time (trr)	-
Current - Reverse Leakage @ Vr	15mA @ 45V
Capacitance @ Vr, F	7800pF @ 5V, 1MHz
Mounting Type	Chassis Mount
Package / Case	HALF-PAK
Supplier Device Package	PRM1-1 (Half Pak Module)
Operating Temperature - Junction	-55°C ~ 175°C

[Report errors?](#)

## 181NQ045-1 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.

## 181NQ045-1 Payment Methods



## 181NQ045-1 Shipping Methods



If you have any question about 181NQ045-1, please do not hesitate to contact us!

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

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