

ST1045STR Information


For Reference Only

Part Number [ST1045STR](#)
Manufacturer SMC Diode Solutions
Category Discrete Semiconductor Products
 [Diodes - Rectifiers - Single](#)
Description DIODE SCHOTTKY 45V TO277B
Package TO-277, 3-PowerDFN
 For the pricing/inventory/lead time, please contact us
 Website: <https://www.heisener.com>
 E-mail: 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.


ST1045STR Specifications

| | |
|-----------------------------------|--|
| Manufacturer Part Number | ST1045STR |
| Manufacturer | SMC Diode Solutions |
| Category | Discrete Semiconductor Products |
| | Diodes - Rectifiers - Single |
| Package | TO-277, 3-PowerDFN |
| Series | - |
| Diode Type | Schottky |
| Voltage - DC Reverse (Vr) (Max) | 45V |
| Current - Average Rectified (Io) | - |
| Voltage - Forward (Vf) (Max) @ If | 570mV @ 10A |
| Speed | Fast Recovery =< 500ns, > 200mA (Io) |
| Reverse Recovery Time (trr) | - |
| Current - Reverse Leakage @ Vr | 800μA @ 45V |
| Capacitance @ Vr, F | 579pF @ 5V, 1MHz |
| Mounting Type | Surface Mount |
| Package / Case | TO-277, 3-PowerDFN |
| Supplier Device Package | TO-277B |
| Operating Temperature - Junction | -55°C ~ 150°C |
| Report errors? | |

ST1045STR 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.

ST1045STR Payment Methods



ST1045STR Shipping Methods



If you have any question about ST1045STR, please do not hesitate to contact us!

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

E-mail: salesdept@heisener.com