



PRELIMINARY

SSR1645Z

SOLID STATE DEVICES, INC

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Designer's Data Sheet

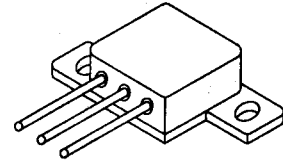
20 AMP
45 VOLTS
SCHOTTKY
RECTIFIER

FEATURES:

- Low Reverse Leakage
- Low Forward Voltage Drop
- Guard Ring for Overvoltage protection
- Isolated Hermetically Sealed Power Package
- Ceramic Seals for Improved Hermeticity
- Custom Lead Forming Available
- Eutectic Die Attach
- 175°C Operating Temperature

- TX, TXV and Space Level Screening Available

TO-254Z



MAXIMUM RATINGS

| RATING | SYMBOL | VALUE | UNIT |
|--|------------|-------------|-------|
| Peak Repetitive Reverse and DC Blocking Voltage | VRRM | 45 | Volts |
| | VRWM | | |
| | VR | | |
| Average Rectified Forward Current (Resistive Load, 60Hz, Sine Wave, TA=25°C) | IO | 20 | Amps |
| Peak Surge Current (8.3 ms Pulse, Half Sine Wave Superimposed on IO, allow junction to reach equilibrium between pulses, TA=25°C) | IFSM | 300 | Amps |
| Operating and storage temperature | Top & Tstg | -65 to +175 | °C |
| Maximum Thermal Resistance Junction to Case | RθJC | 1.5 | °C/W |

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RS0017 A

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