

50 AMP SCHOTTKY RECTIFIER IN HERMETIC SURFACE MOUNT PACKAGE



50 Amp, 45 To 100 Volt Schottky Rectifier

FEATURES

- Small Size Hermetic Surface Mount Package
- Very Low Forward Voltage
- Fast Switching Speed
- Low Thermal Resistance
- 45V, 60V And 100V
- Available Screened To MIL-S-19500, TX, TXV And S Levels

DESCRIPTION

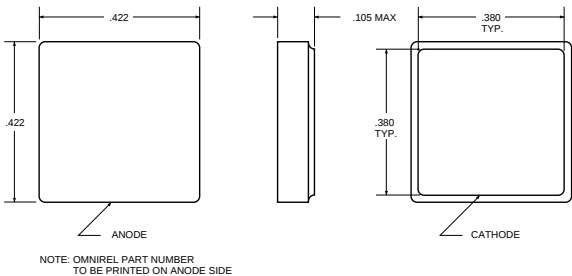
This product is specifically designed for high density, high power applications where small size, light weight and high reliability are required. It combines the latest Schottky semi-conductor technology mounted in an easy-to-use small surface mount hermetic metal package. These devices are ideally suited for demanding high frequency applications such as switching power supplies and motor controls.

ABSOLUTE MAXIMUM RATINGS ($T_C = 25^{\circ}\text{C}$)

Peak Inverse Voltage	45 V to 100 V
Maximum Average D.C. Output Current @ $T_C = 100^{\circ}\text{C}$	50 A
Peak Surge Current (Non-Repetitive, 8.3 ms)	700 A
Storage Temperature Range	- 55° C to +150° C
Junction Operating Temperature Range	- 55° C to +150° C
Package Thermal Resistance, Junction-to-Case	1.0° C/W

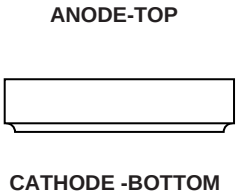
3.2

MECHANICAL OUTLINE



Maximum Soldering Temp = 250°C, 3 sec.

CONNECTION DIAGRAM



Note: Part number marking is on the anode (top) surface.

For additional test conditions and limits, see Sect. 3.5, pg. 3.5 - 63.