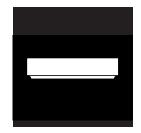
# 50 AMP SCHOTTKY RECTIFIER IN HERMETIC SURFACE MOUNT PACKAGE



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

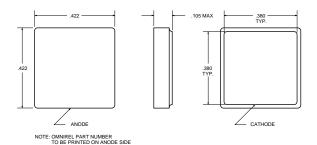
This product is specifically designed for high density, high power applications where small size, light weight and high reliability are required. It combines the latest Schottky semi-conductor technology mounted in an easy-to-use small surface mount hermetic metal package. These devices are ideally suited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

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

Peak Inverse Voltage	45 V to 100 V
Maximum Average D.C. Output Current @ T <sub>C</sub> = 100° 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**

ANODE-TOP

CATHODE -BOTTOM

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

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

