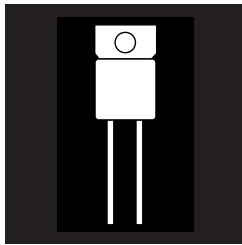


OM5010ST
OM5011ST

HERMETIC JEDEC TO-257AA HIGH EFFICIENCY, SOFT RECOVERY RECTIFIER



12 Amp, 800 & 1000 Volts, 50 nsec trr

FEATURES

- Small Size
- Ultra Fast Recovery
- Soft Recovery Behavior
- Extremely Low Losses At High Switching Speeds
- Low I_{RM} Rating
- Hermetic And Isolated Package
- Available Screened To MIL-S-19500, TX, TXV And S Levels

DESCRIPTION

This soft recovery, high speed rectifier is ideally suited for high performance in high voltage switching applications. The performance of this rectifier minimizes losses in power conversion and motor control circuits complementing the switching characteristics of power MOSFETs, IGBTs, and bipolar transistors.

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

Peak Inverse Voltage.....	800 & 1000 V
Maximum Average D.C. Output Current @ $T_C = 100^\circ\text{C}$	12 A
Surge Current (Non-Repetitive 8.3 nsec)	70 A
Thermal Resistance, Junction-To-Case.....	2.0°C/W
Operating and Storage Temperature Range.....	-55°C to $+150^\circ\text{C}$

3.2

