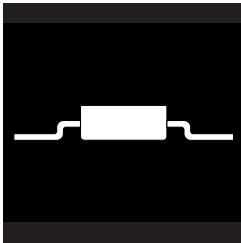


# ISOLATED SURFACE MOUNT HIGH EFFICIENCY CENTER-TAP RECTIFIER



**Hermetic Surface Mount Package, 20 Amp,  
50 To 200 Volts, 35 ns trr**

## FEATURES

- Hermetic Surface Mount Package
- Very Low Forward Voltage
- Very Fast Recovery Time
- Low Thermal Resistance
- Isolated Package
- High Surge
- Center-Tap Configuration
- Available Screened To MIL-S-19500, TX, TXV And S Levels

## DESCRIPTION

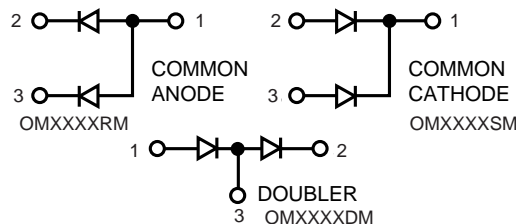
This series of products in a hermetic surface mount package is specifically designed for use at power switching frequencies in excess of 100 kHz. The series combines two high efficiency devices into one package, simplifying installation, reducing heat sink hardware, and the need to obtain matched components. These devices are ideally suited for Military applications where small size and a hermetically sealed package are required. Common cathode is standard.

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

Peak Inverse Voltage .....	50 to 200 V
Maximum Average D.C. Output Current @ $T_C = 100^\circ\text{C}$ .....	10 A
Surge Current (Non-Repetitive 8.3 msec) .....	180 A
Thermal Resistance, Junction-to-Case .....	$2^\circ\text{C/W}$
Operating and Storage Temperature Range .....	$-55^\circ\text{C}$ to $+150^\circ\text{C}$
Max. Lead Solder Temperature for 5 seconds .....	$225^\circ\text{C}$

3.2

## SCHEMATIC



Common cathode is standard. Contact factory for performance characteristics for common anode and doubler.

For additional test conditions and limits, see Sect. 3.5, pg. 3.5 - 71.