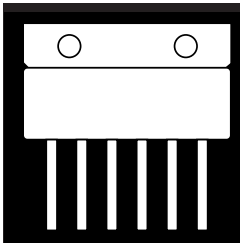


100 AMP SCHOTTKY CENTER-TAP IN HERMETIC ISOLATED SIP PACKAGE



100 Amp, 45, 60 and 100 Volt Power Schottky Center-Tap Module

FEATURES

- Two Isolated Schottky Rectifiers In A Hermetic SIP Package
- Very Low Forward Voltage
- Low Recovery Charge
- Rugged Package Design
- High Efficiency For Low Voltage Supplies
- Center-Tap Configuration
- Common Cathode Standard
- Small Size
- Available Screened To MIL-S-19500, TX, TXV And S Levels

DESCRIPTION

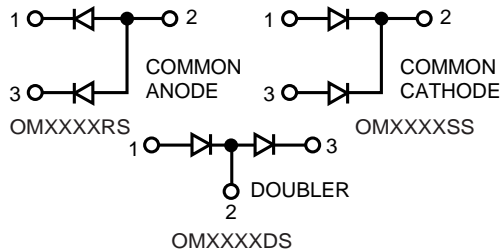
This device has two Schottky diodes arranged in a common cathode configuration and is ideally suited for a full wave output rectifier in low voltage switching power supplies where small size and high reliability are required. Common anode configuration also available.

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

Peak Reverse Voltage	45, 60, 100 V
Maximum Average DC Output Current, Per Leg.	50 A
Peak Reverse Transient Current	2 A
Non-Repetitive Peak Surge Current (8.3 ms)	700 A
Storage Temperature Range	- 55°C to + 175° C
Operating Junction Temperature.	- 55°C to + 150° C
Package Thermal Resistance Junction to Case	1.25° C

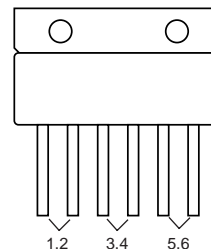
3.2

SCHEMATIC



Common cathode is standard. Contact the factory for performance characteristics for common anode and doubler. Z-Tab package also available.

PIN CONNECTION



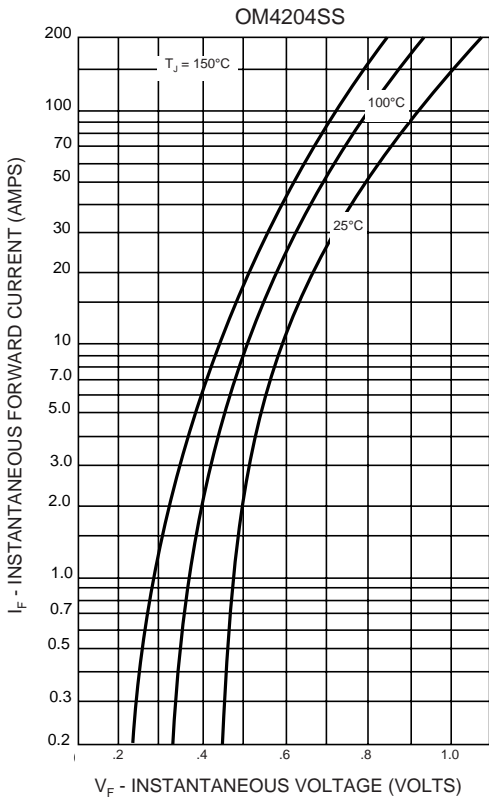
ELECTRICAL CHARACTERISTICS (Per Diode)

Part No.	PIV	Maximum Forward Voltage @ $I_F = 50A$ (1) (2)		Maximum Reverse Current	
		$T_C = 25^\circ C$	$T_C = 125^\circ C$	$T_C = 25^\circ C$	$T_C = 125^\circ C$
OM4204XX	45	.750V	.700V	1.0mA	150mA
OM4228XX	60	.87V	.800V	7.0mA	150mA
OM4229XX	100	.97V	.900V	7.0mA	150mA

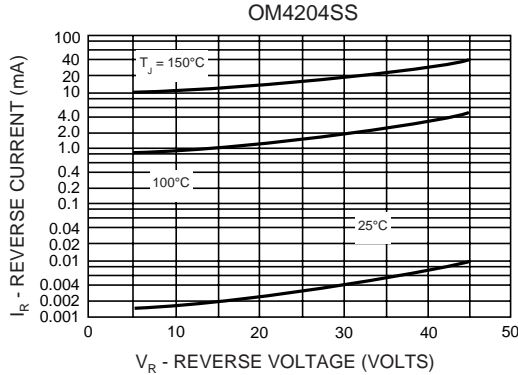
(1) **Pulse Test:** Pulse Width 300 μs . Duty Cycle 2.0%.

(2) **Pin Limitation:** 70 Amp per pair.

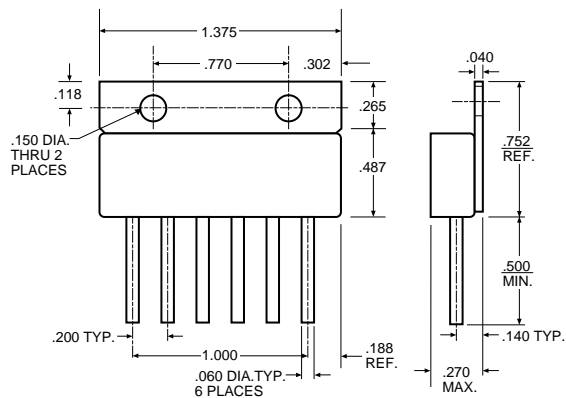
TYPICAL FORWARD VOLTAGE



TYPICAL REVERSE CURRENT



MECHANICAL OUTLINE



3.2