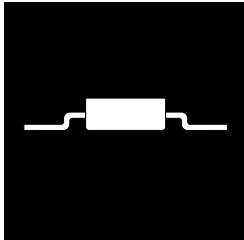


ISOLATED SURFACE MOUNT POWER SCHOTTKY CENTER-TAP RECTIFIER



**Hermetic Surface Mount Package
10 Amp, 45 Volt Schottky Center-Tap**

FEATURES

- Hermetic Surface Mount Package
- Very Low Forward Voltage
- Low Recovery Charge
- High Efficiency For Low Voltage Supplies
- 45V Blocking @ Rated T_{jmax}
- 50V Repetitive Surge Voltage
- Center-Tap Configuration
- Available Hi-Rel Screened

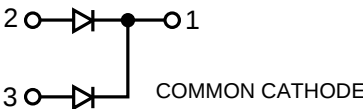
DESCRIPTION

This series of surface mount devices offer two Schottky barriers 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 ($T_c=25^{\circ}C$)Per Diode

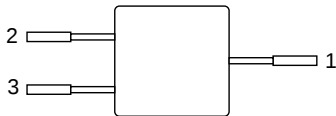
Peak Inverse Voltage.....	45 V
Maximum Average D.C. Output Current.....	5 A
Peak Surge Current (Non-Repetitive, 8.3mS)	60 A
Peak Reverse Transient Current	1.0 A
Storage Temperature Range	- 55° C to + 175° C
Junction OperatingTemperature Range	- 55° C to + 150° C
Package Thermal Resistance, Junction-to-Case	2.5° C/W

SCHEMATIC



Contact factory for common anode,
common cathode is standard.

PIN CONNECTION



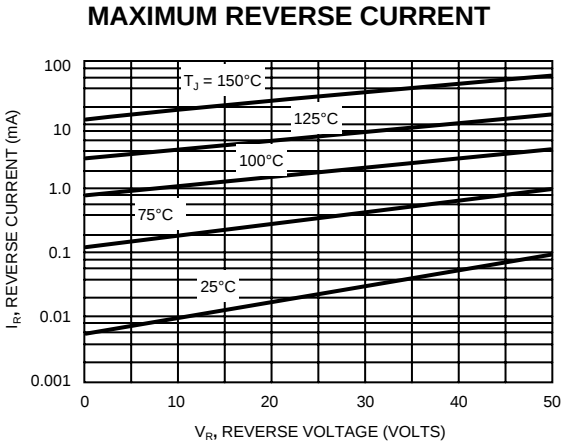
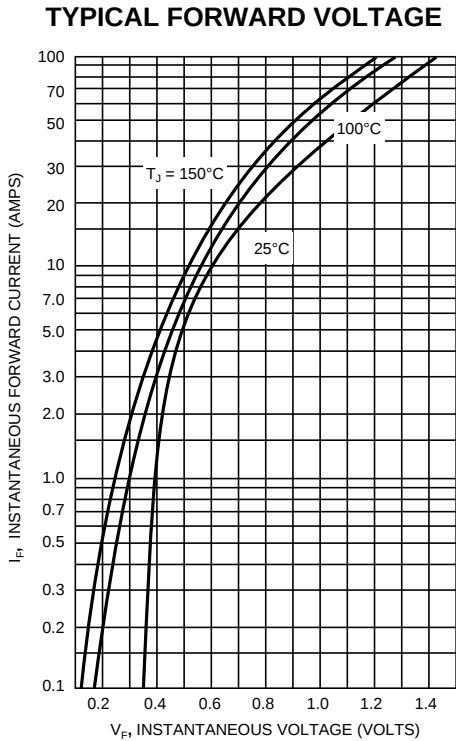
Pin 1: DC
Pin 2: AC
Pin 3: AC
Case: Isolated

3.5

ELECTRICAL CHARACTERISTICS (Per Diode)

Symbol	Characteristic	Conditions	Max.	Units
V_F	Maximum Instantaneous Forward Voltage ¹	$I_F = 5A, T_C = 125^{\circ}C$	.600	V
		$I_F = 5A, T_C = 25^{\circ}C$	.750	V
i_R	Maximum Instantaneous Reverse Current ¹	Rated dc Voltage, $T_C = 125^{\circ}C$	18	mA
		Rated dc Voltage, $T_C = 25^{\circ}C$	1.0	mA

(1) Pulse Test: Pulse width = 300μs, Duty Cycle ≤ 2.0%.



MECHANICAL OUTLINE

