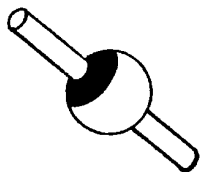


1N5624 THRU SPD5628 3 AMP STANDARD RECOVERY RECTIFIER 200—1000 VOLTS	 14830 Valley View Avenue La Mirada, California 90638 (213) 921-9660 TWX 910-583-4807 FAX 213-921-2396
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CASE STYLE**FEATURES**

- PIV TO 1000 VOLTS
- LOW REVERSE LEAKAGE
- HERMETICALLY SEALED
- SINGLE CHIP CONSTRUCTION

MAXIMUM RATINGS

Rating	Symbol	Value	Unit
Peak Repetitive Reverse Voltage and DC Blocking Voltage	$V_{RM} (rep)$ V_R	200 400 600 800 1000	Volts
RMS Reverse Voltage	V_r	140 280 420 560 700	Volts
Half Wave Rectified Forward Current, Averaged Over Full Cycle (Resistive Load, 60Hz, Sine Wave, $T_A = 55^\circ C$)	I_O	3	Amps
Peak Repetitive Forward Current ($T_A = 55^\circ C$, 8.3 ms Pulse, Allow Junction to Reach Equilibrium Between Pulses)	$I_{FM} (rep)$	125	Amps
Peak Surge Current ($T_A = 55^\circ C$, Superimposed on Rated Current at Rated Voltage, 8.3 ms Pulse)	$I_{FM} (surge)$	225	Amps
Operating and Storage Temperature	T_J, T_{stg}	-65 to +200	$^\circ C$

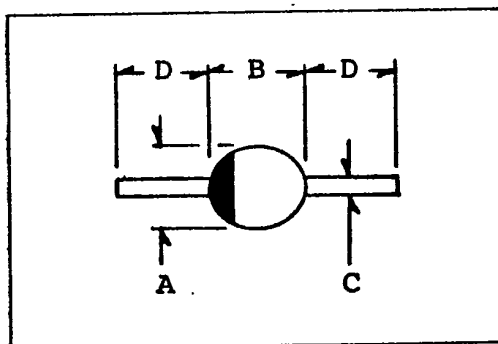
THERMAL CHARACTERISTICS

Characteristics	Symbol	Max	Unit
Thermal Resistance, Junction to Leads, $L = 3/8"$	$R_{\theta JL}$	25	$^\circ C/W$

ELECTRICAL CHARACTERISTICS

Characteristics	Symbol	Value	Unit
Max Full Cycle Forward Voltage Drop, Averaged Over Full Cycle (I_O (Max), 60 Hz, Square Wave, $T_A = 55^\circ\text{C}$)	$V_{F(AV)}$	.95	Vdc
Max Instantaneous Forward Voltage Drop ($I_F = 3 \text{ A dc}$, $T_A = 25^\circ\text{C}$, 300 μs Pulse)	V_F	1.0	Vdc
Max Full Cycle Reverse Leakage Current, Averaged Over Full Cycle (Rated V_R 60Hz, Square Wave, $T_A = 100^\circ\text{C}$)	$I_{R(AV)}$	200	$\mu\text{A dc}$
Max Reverse Leakage Current (Rated V_R , $T_A = 25^\circ\text{C}$)	I_R	5	$\mu\text{A dc}$
Max Junction Capacitance ($V_R = 100 \text{ V}$, $T_A = 25^\circ\text{C}$)	C_J	40	pf

PHYSICAL DIMENSIONS

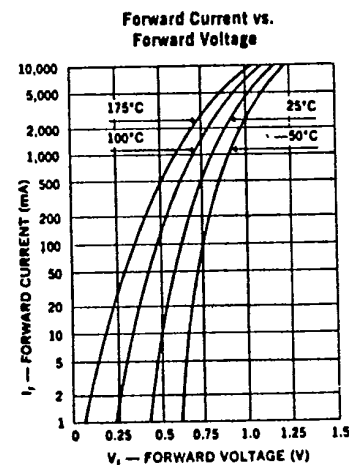
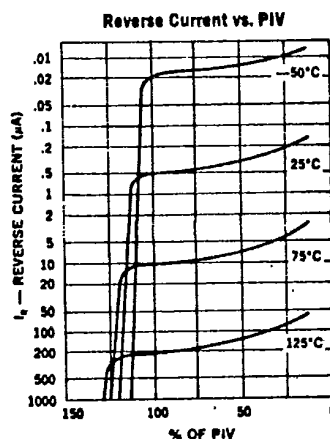


KEY TO DIMENSIONS:

(Inches)

- A = .170 - .250
 B = .240 - .260
 C = .048 - .052
 D = 1.10 Min.

TYPICAL OPERATING CURVES



SOLID STATE DEVICES, INC.