

T-03-15

SDR3A THRU SDR3M

3 AMP

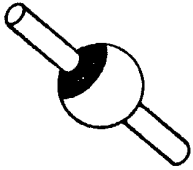
ULTRA FAST RECOVERY RECTIFIER

50-1000 VOLTS



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CASE STYLE



FEATURES

- PIV TO 1000 VOLTS
- ULTRA FAST RECOVERY 50 NSEC. MAX.
- VOIDLESS CONSTRUCTION
- FOR HIGH EFFICIENCY APPLICATIONS
- HERMETICALLY SEALED
- LOW LEAKAGE
- LOW COST

MAXIMUM RATINGS

Rating		Symbol	Value	Unit
Peak Repetitive Reverse Voltage and DC Blocking Voltage	SDR3A	V_{RM} (rep)		Volts
	SDR3B	V_R	50	
	SDR3D		100	
	SDR3G		200	
	SDR3J		400	
	SDR3K		600	
	SDR3M		800	
RMS Reverse Voltage	SDR3A	V_r	35	Volts
	SDR3B		70	
	SDR3D		140	
	SDR3G		280	
	SDR3J		420	
	SDR3K		560	
	SDR3M		700	
Half Wave Rectified Forward Current, Averaged Over Full Cycle (Resistive Load, 60Hz, Sine Wave, $T_A = 55^\circ\text{C}$)		I_O	3	Amps
Peak Repetitive Forward Current ($T_A = 55^\circ\text{C}$, 8.3 ms Pulse, Allow Junction to Reach Equilibrium Between Pulses)		I_{FM} (rep)	18	Amps
Peak Surge Current ($T_A = 55^\circ\text{C}$, Superimposed on Rated Current at Rated Voltage, 8.3 ms Pulse)		I_{FM} (surge)	75	Amps
Operating and Storage Temperature		T_J, T_{stg}	-65 to +175	$^\circ\text{C}$

THERMAL CHARACTERISTICS

Characteristics	Symbol	Max	Unit
Thermal Resistance, Junction to Leads, $L = 3/8"$	$R_{\theta JL}$	28	$^\circ\text{C}/\text{W}$

NOTE: All specifications subject to change without notice.

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