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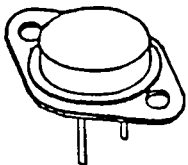
SHA394A through SHA394C

30 AMP

HYPER FAST RECOVERY  
CENTERTAP RECTIFIER

100 - 200 VOLTS

SSDI

14830 VALLEY VIEW AVE  
LA MIRADA, CA 90638  
TEL: (213) 921-9660  
FAX: (213) 921-2396CASE STYLE  
TO-3 WITH 60 MIL PINS

## FEATURES

- ▶ COMBINED PERFORMANCE OF TWO DO-4 DISCRETES
- ▶ PIV TO 200 VOLTS
- ▶ HYPER FAST RECOVERY, 35ns MAX
- ▶ HERMETICALLY SEALED
- ▶ VERY LOW FORWARD VOLTAGE DROP
- ▶ SUPERIOR THERMAL RESISTANCE
- ▶ GOLD EUTECTIC DIE ATTACH, NO SOLDER USED
- ▶ ALUMINUM ULTRASONIC WIRE BOND

## MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse Voltage Per Leg and DC Blocking Voltage Per Leg	VRM(rep) VR		Volts
SHA394A		100	
SHA394B		150	
SHA394C		200	
RMS Reverse Voltage Per Leg	Vr		Volts
SHA394A		70	
SHA394B		105	
SHA394C		140	
Half Wave Rectified Forward Current Averaged Over Full Cycle (Resistive Load, 60Hz, Sine Wave, TC=55°C)	IO	30	Amps
Peak Repetitive Forward Current (TC=55°C, 8.3ms Pulse, Allow Junction to Reach Equilibrium Between Pulses)	IFM(rep)	120	Amps
Peak Surge Current (TC=55°C, 8.3ms Pulse, Superimposed on Rated Current at Rated Voltage)	IFM(surge)	350	Amps
Operating and Storage Temperature	TJ, Tstg	-65 to +200	°C

## THERMAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	VALUE	UNIT
Thermal Resistance, Junction to Case Both legs tied together	RθJC	1.6	°C/W

