



SINGLE-PHASE SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 35 Amperes

SCOMMIN

FEATURES

- * Superior thermal desing
- * 400 amperes surge rating * 1/4" universal faston terminal
- * Hole thru for #8 screw

MECHANICAL DATA

* Epoxy : Device has UL flammability classification 94V-0 * UL listed the recongnized component director, file #94233

DISCONTINUED-

- "This series is replaced by the MP35 series that meets to the same fit and function parameters.
- The MP35 series is preferred for PCB assembly."

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.





MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

RATINGS	SYMBOL	BR3505	BR351	BR352	BR354	BR356	BR358	BR3510	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T_{C} = 55°C	Io	35.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	400							Amps
Typical Thermal Resistance (Note 2)	Rejc	1.4							
	R _{0JA}	22							
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150							٥C

ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	BR3505	BR351	BR352	BR354	BR356	BR358	BR3510	UNITS
Maximum Instantaneous Forward Voltage at 17.5ADC		V _F	1.1							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	@T _A = 25°C		5.0							uAmps
	@T _A = 100°C	IR	500							

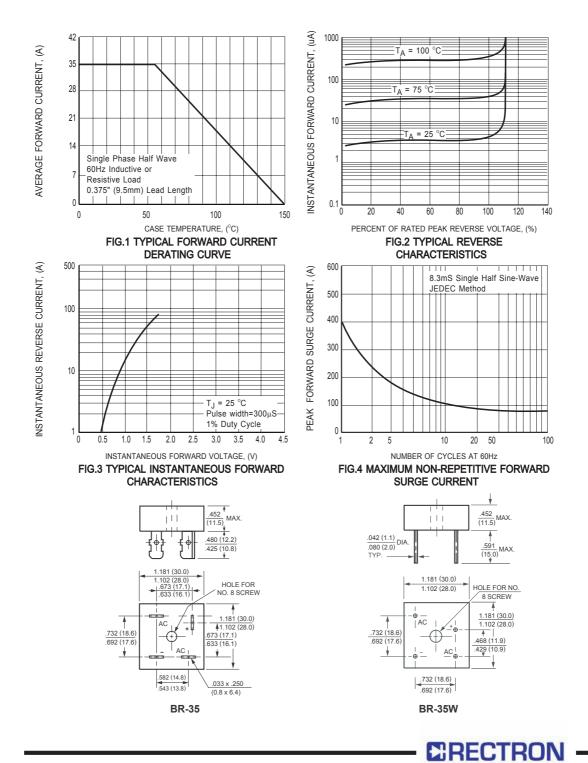
NOTES: 1. Suffix "W" for wire type.

2. Typical Thermal Resistance: Heat-sink case mounted.

3. "Fully ROHS compliant", "100% Sn plating (Pb-free)".

2007-5

RATING AND CHARACTERISTICS CURVES (BR3505 THRU BR3510)



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