



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

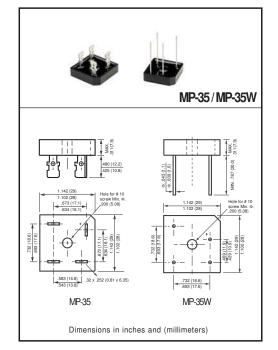
VOLTAGE RANGE 50 to 1000 Volts CURRENT 35 Amperes

FEATURES

- * Superior thermal design
- * 400 amperes surge rating
- * 1/4" universal faston terminal
- * Hole thru for # 10 screw

MECHANICAL DATA

- * Epoxy: Device has UL flammability classification 94V-O
- * UL listed on recognized component directory, file #E94233



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25 °C ambient temperature unless otherwise specified. resistive or inductive load.

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

RATINGS	SYMBOL	MP3505	MP351	MP352	MP354	MP356	MP358	MP3510	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							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	400						Amps	
Typical Current Squarad Time	l ² t	² t 663.7					A ² /Sec		
RMS isolation voltage from case to lead	Viso 2500						Volts		
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	1.4							
	$R_{\theta JA}$	19							°C/W
Operating and Storage Temperature Range	TJ, TSTG	-55 to + 150					۰C		

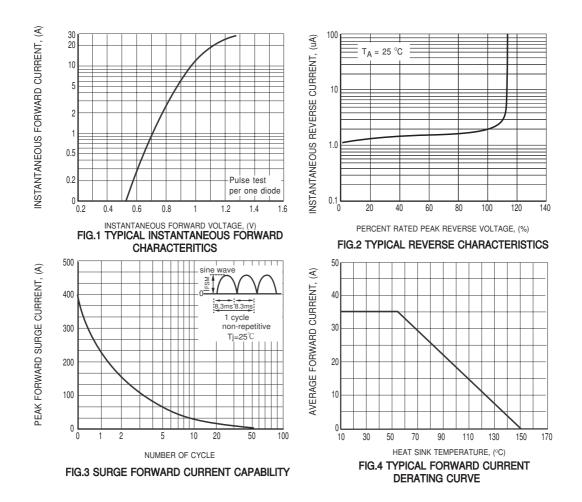
 $\textbf{ELECTRICAL CHARACTERISTICS} (@T_{A} = 25 \ ^{\circ}C \ unless \ otherwise \ noted)$

CHARACTERIST	SYMBOL	MP3505	MP351	MP352	MP354	MP356	MP358	MP3510	UNITS	
Maximum Instantaneous Forward Vo	VF	1.1							Volts	
Maximum DC Reverse Current	@T _A = 25°C	- I _R				5.0				
at Rated DC Blocking Voltage	@T _A = 100°C					500				uAmps

NOTES : 1. Thermal Resistance : Heat-sink case mounted or if PCB mounted. 2. "Fully ROHS compliant", "100% Sn plating (Pb-free)". 3. Suffix "W" for wire type.

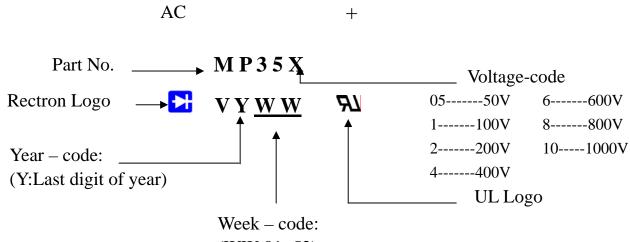
2011-02 REV:C

RATING AND CHARACTERISTICS CURVES (MP3505 THRU MP3510)



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Marking Description



(WW:01~52)

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PACKAGING OF DIODE AND BRIDGE RECTIFIERS

BULK PACK

PA	CKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
MP	P-35(W)	-B	50	203*205*57	450*220*255	400	7.7 (8.26)



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