

**MP3505 THRU MP3510** 

## SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 to 1000 Volts CURRENT 35 Amperes

### **FEATURES**

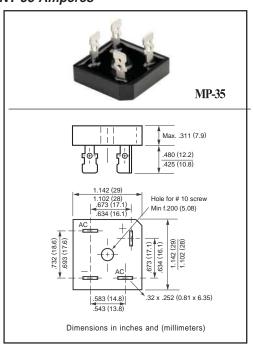
- \* Superior thermal desing
- \* 400 amperes surge rating
- \* 1/4" universal faston terminal
- \* Hole thru for # 10 screw

### **MECHANICAL DATA**

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

### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25  $^{\circ}\text{C}$  ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.



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

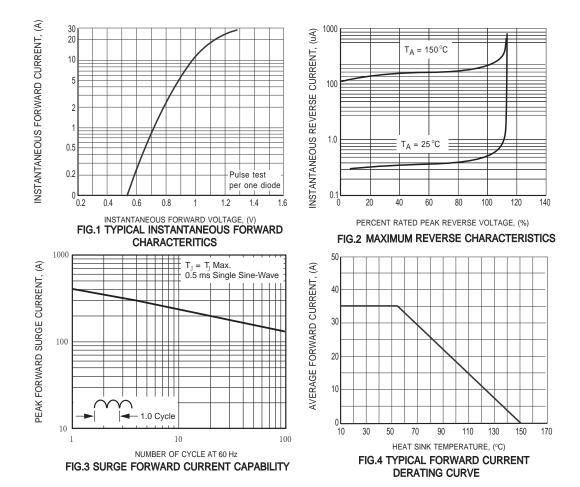
(At TAT = 20 0 dimension index includ)									
RATINGS	SYMBOL	MP3505	MP351	MP352	MP354	MP356	MP358	MP3510	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Output Current at Tc = 55°C	lo	35.0					Amps		
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	400					Amps		
Typical Current Squarad Time	l <sup>2</sup> t	664					A <sup>2</sup> /Sec		
Operating and Storage Temperature Range	TJ,TSTG	-55 to + 175					۰c		

### **ELECTRICAL CHARACTERISTICS** (At TA = 25°C unless otherwise noted)

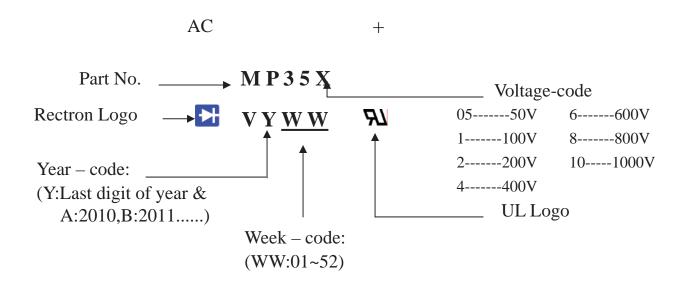
CHARACTERISTICS		SYMBOL	MP3505	MP351	MP352	MP354	MP356	MP358	MP3510	UNITS
Maximum Forward Voltage Drop per element at	VF	1.05							Volts	
Maximum Reverse Current at Rated	@Ta = 25°C	In.	0.5							uAmps
DC Blocking Voltage per element	@Ta = 150°C	lR IR	500							uAmps

2019-09 REV: F NOTE: Suffix "W" for wire type

## RATING AND CHARACTERISTICS CURVES (MP3505 THRU MP3510)



# **Marking Description**



# PACKAGING OF DIODE AND BRIDGE RECTIFIERS

### BULK PACK

PACKAGE	PACKING CODE	EA PER BOX	INNER BOX SIZE (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)	
MP-15/-25/-35	-B	50	206*208*45.5	450*220*255	500	9.6	



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