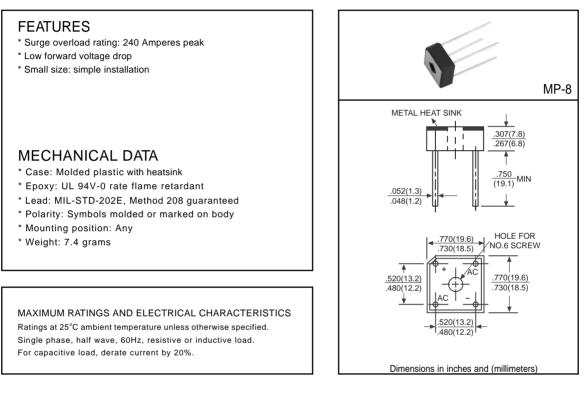
## DC COMPONENTS CO., LTD. RECTIFIER SPECIALISTS MP10005 MP10005 MP1010

## TECHNICAL SPECIFICATIONS OF SINGLE-PHASE SILICON BRIDGE RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

## CURRENT - 10 Amperes



		SYMBOL	MP10005	MP1001	MP1002	MP1004	MP1006	MP1008	MP1010	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 Output Current at Tc = 50°C		lo	10							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	240						Amps	
Maximum Forward Voltage Drop per element at 5.0A DC		VF	1.1							Volts
Maximum DC Reverse Current at Rated	@TA = 25°C	IR	10							μAmps
DC Blocking Voltage per element	@Tc = 100°C		500							
Operating Temperature Range		TJ	-55 to +150							٥C
Storage Temperature Range		TSTG	-55 to +150							°C

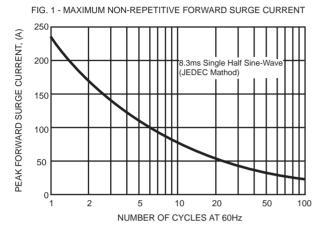


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

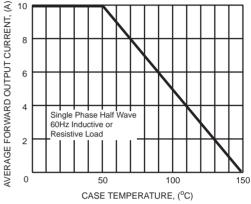


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

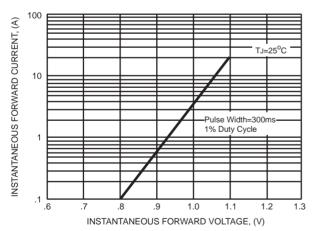
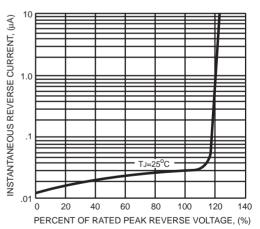


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



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