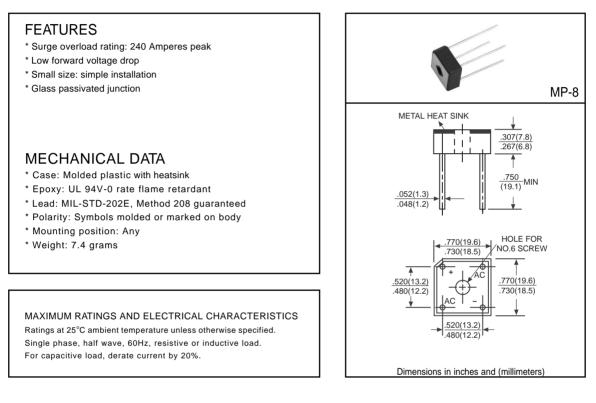
DC COMPONENTS CO., LTD.
RECTIFIER SPECIALISTSMP10005G
THRU
MP1010G

TECHNICAL SPECIFICATIONS OF SINGLE-PHASE GLASS PASSIVATED BRIDGE RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 10 Amperes



		SYMBOL	MP1005G	MP1001G	MP1002G	MP1004G	MP1006G	MP1008G	MP1010G	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 DC Blocking Voltage per element	@Ta= 25°C	IR	10							μAmps
	@Tc= 100°C		500							
Operating Temperature Range		TJ	-55 to +150							°C
Storage Temperature Range		Tstg	-55 to +150							°C

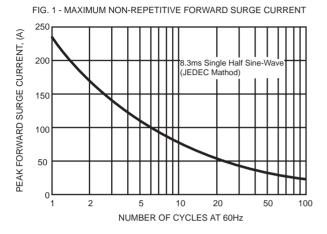


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

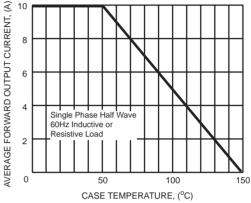


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

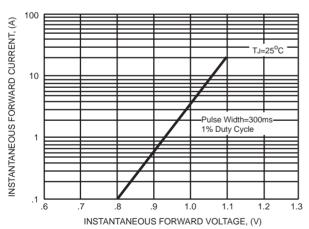
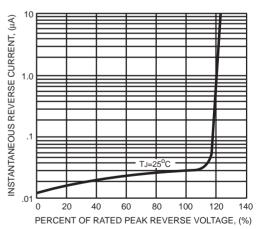


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS



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