

		SYMBOL	MP6005	MP601	MP602	MP604	MP606	MP608	MP610	UNITS
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Bridge Input 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 Output Current at $T_c = 75^{\circ}C$		I_o	6.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)		I_{FSM}	125							Amps
Maximum Forward Voltage Drop per element at 3.0A DC		V_F	1.0							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage per element	@ $T_A = 25^{\circ}C$	I_R	10							μ Amps
	@ $T_C = 100^{\circ}C$		500							
Operating Temperature Range		T_J	-55 to +125							$^{\circ}C$
Storage Temperature Range		T_{STG}	-55 to +150							$^{\circ}C$

RATING AND CHARACTERISTIC CURVES (MP6005 THRU MP610)

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

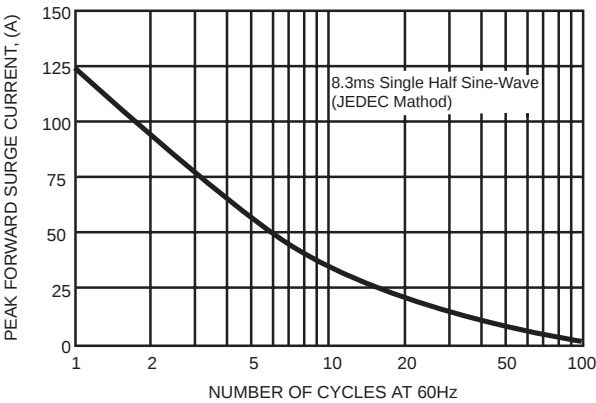


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

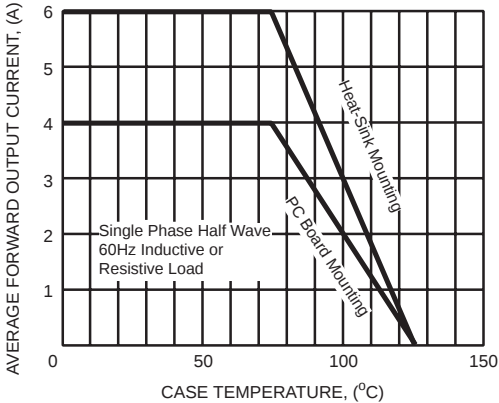


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

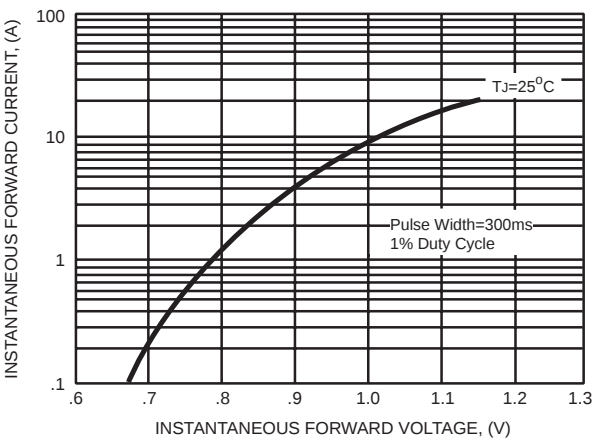


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

