

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave,60Hz,resistive or inductive load. For capacitive load,derate current by 20%

Type Number		M1	M2	M3	M4	M5	M6	M7	UNITS
Maximum Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TL=110°C	IF(AV)	1.0							Α
Peak Forward Surge Current,8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	30							А
Maximum Instantaneous Forward Voltage (Note@1.0 A	VF	1.1							V
Maximum DC Reverse Crrent @ TA=25°C At Rated DC Blocking Voltage @ TA=125°C	lr	5.0 50							uA
Typical Thermal Resistance (Note)	R θ JL R θ JA	27 30 75 85					°C /W		
Operating J unction Temperature Range	ТJ	-55 to+150							°C
Storage Temperature Ranage	Tstg	-55 to+150							°C

NOTE: Measured on P.C. Board with 0.2 x 0.2" (5.0 x 5.0mm) Copper Pad Areas.

RATING AND CHARACTERISTIC CURVES M1 THRU M7

