



M1 THRU M7

SURFACE MOUNT GENERAL RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.0 Ampere



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

	SYMBOLS	M1	M2	М3	M4	M5	M6	M7	UNITS
Maximum repetitive peak reverse voltage	Vrrm	50	100	200	400	600	800	1000	VOLTS
Maximum RMS 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 current	10							Amo	
at TL=110 C	(AV)				1.0				Апр

Lead Free & RoHS Compliant

Data Sheet





Peak forward surge current			
8.3ms single half sine-wave superimposed on	IFSM	30.0	Amps
rated load (JEDEC Method)			
Maximum instantaneous forward voltage at 1.0A	Vf	1.1	Volts
Maximum DC reverse current Ta=25 C		5.0	mΔ
at rated DC blocking voltage Ta=100 C	IR	50.0	1174
Typical junction capacitance (NOTE 1)	Сл	15.0	pF
Typical thermal resistance (NOTE 2)	Rqja	75.0	C/W
Operating junction and storage temperature range	Tj,Tstg	-65 to +175	С

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2.P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

RATINGS AND CHARACTERISTIC CURVES M1 THRU M7



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