

M1 THRU M7

SURFACE MOUNT GENERAL RECTIFIER

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

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

	SYMBOLS	M1								UNITS
Maximum repetitive peak reverse voltage	V_{RRM}									VOLTS
Maximum RMS voltage	V_{RMS}									VOLTS
Maximum DC blocking voltage	V_{DC}									VOLTS
Maximum average forward rectified current at $T_L=110^{\circ}C$	$I_{(AV)}$					1.0				Amp
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}					30.0				Amps
Maximum instantaneous forward voltage at 1.0A	V_F					1.1				Volts
Maximum DC reverse current $T_A=25^{\circ}C$ at rated DC blocking voltage $T_A=100^{\circ}C$										
Typical junction capacitance (NOTE 1)										
Operating junction and storage temperature range										

Note: 1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.
2. P.C.B. mounted with 0.2x0.2

RATINGS AND CHARACTERISTIC CURVES M1 THRU M7

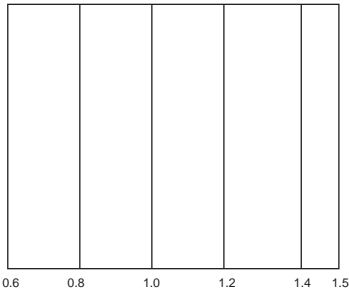
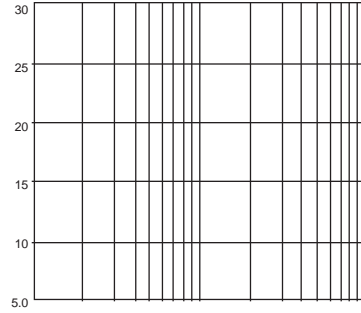
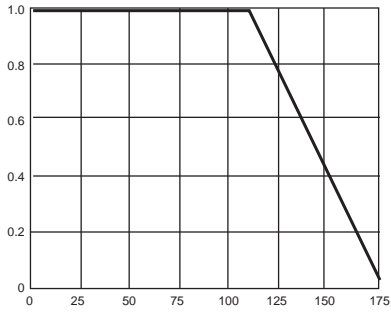


FIG. 5-TYPICAL JUNCTION CAPACITANCE

