

Fast Recovery Diodes - Capsule Types

WESTCODE

Fast Recovery Diodes are an essential partner to all fast switching devices. Our soft recovery diodes are available with a range of reverse recovery characteristics tailored to meet the requirements of both freewheeling and snubber applications. These devices are available with blocking voltages up to 6 kV and average currents up to 3770 A. 38 mm to 75 mm diameter silicon slices.

Type	V_{RRM}	I_{FAV}	I_{FSM}	I^2t	Typ. Reverse Recovery $T_J = 150^\circ\text{C}$ (50% Chord)				V_{T0}	r_T	R_{thJK}	Fig. No.	Package style Outlines on pages O-01...O-24
Part No.	V	A	A	A ² s	t_{rr}	Q_{rr}	$@I_{FM}$	$@-di_F$ /dt	$@T_J = 150^\circ\text{C}$	mΩ	d.c. 180° sine K/W		
M0588LC400	4000	588	3955	78.2×10^3	3.50	450	1000	60	2.320	1.770	0.033	W4	
M0588LC450	4500	588	3955	78.2×10^3	3.50	450	1000	60	2.320	1.770	0.033	W4	
M0790YC200	2000	790	9000	405×10^3	4.00	425	1000	60	1.272	0.584	0.050	W2	
M0790YC250	2500	790	9000	405×10^3	4.00	425	1000	60	1.272	0.584	0.050	W2	
M0790YH200	2000	790	9000	405×10^3	4.00	425	1000	60	1.272	0.584	0.050	W3	
M0790YH250	2500	790	9000	405×10^3	4.00	425	1000	60	1.272	0.584	0.050	W3	
M0914LC200	2000	914	8500	361×10^3	3.20	300	1000	60	1.768	0.653	0.032	W4	
M0914LC250	2500	914	8500	361×10^3	3.20	300	1000	60	1.768	0.653	0.032	W4	
M1010NC400	4000	1010	9600	461×10^3	3.20	1450	1000	200	1.700	1.030	0.022	W5	
M1010NC450	4500	1010	9600	461×10^3	3.20	1450	1000	200	1.700	1.030	0.022	W5	
M1010ND400	4000	1010	9600	461×10^3	3.20	1450	1000	200	1.700	1.030	0.022	W37	
M1010ND450	4500	1010	9600	461×10^3	3.20	1450	1000	200	1.700	1.030	0.022	W37	
M1163NC400	4000	1163	10800	583×10^3	6.40	1200	1000	60	1.500	0.770	0.022	W5	
M1163NC450	4500	1163	10800	583×10^3	6.40	1200	1000	60	1.500	0.770	0.022	W5	
M1163ND400	4000	1163	10800	583×10^3	6.40	1200	1000	60	1.500	0.770	0.022	W37	
M1163ND450	4500	1163	10800	583×10^3	6.40	1200	1000	60	1.500	0.770	0.022	W37	
M1502NC200	2000	1502	17000	1.45×10^6	3.50	350	1000	60	1.240	0.440	0.022	W5	
M1502NC250	2500	1502	17000	1.45×10^6	3.50	350	1000	60	1.240	0.440	0.022	W5	
M1502ND200	2000	1502	17000	1.45×10^6	3.50	350	1000	60	1.240	0.440	0.022	W37	
M1502ND250	2500	1502	17000	1.45×10^6	3.50	350	1000	60	1.240	0.440	0.022	W37	
M1583VC400	4000	1583	24800	3.08×10^6	5.00	2000	1000	200	1.693	0.525	0.016	W6	
M1583VC450	4500	1583	24800	3.08×10^6	5.00	2000	1000	200	1.693	0.525	0.016	W6	
M1583VF400	4000	1583	24800	3.08×10^6	5.00	2000	1000	200	1.693	0.525	0.016	W43	
M1583VF450	4500	1583	24800	3.08×10^6	5.00	2000	1000	200	1.693	0.525	0.016	W43	
M1609NC200	2000	1609	17500	1.53×10^6	3.20	800	1000	200	1.310	0.345	0.022	W5	
M1609NC260	2600	1609	17500	1.53×10^6	3.20	800	1000	200	1.310	0.345	0.022	W5	
M1609ND200	2000	1609	17500	1.53×10^6	3.20	800	1000	200	1.310	0.345	0.022	W37	
M1609ND260	2600	1609	17500	1.53×10^6	3.20	800	1000	200	1.310	0.345	0.022	W37	
M2273VC300	3000	2273	28000	3.92×10^6	8.50	2500	1000	60	1.239	0.244	0.016	W6	
M2273VC360	3600	2273	28000	3.92×10^6	8.50	2500	1000	60	1.239	0.244	0.016	W6	
M2273VF300	3000	2273	28000	3.92×10^6	8.50	2500	1000	60	1.239	0.244	0.016	W43	
M2273VF360	3600	2273	28000	3.92×10^6	8.50	2500	1000	60	1.239	0.244	0.016	W43	
M2408NC020	200	2408	24000	2.88×10^6	1.90	250	1000	200	1.065	0.122	0.022	W5	
M2408NC060	600	2408	24000	2.88×10^6	1.90	250	1000	200	1.065	0.122	0.022	W5	
M2408ND020	200	2408	24000	2.88×10^6	1.90	250	1000	200	1.065	0.122	0.022	W37	
M2408ND060	600	2408	24000	2.88×10^6	1.90	250	1000	200	1.065	0.122	0.022	W37	
M2639ZC360	3600	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W7	
M2639ZC420	4200	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W7	
M2639ZC450	4500	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W7	
M2639ZD360	3600	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W42	
M2639ZD420	4200	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W42	
M2639ZD450	4500	2639	27520	3.79×10^6	8.50	2300	1000	60	1.380	0.290	0.011	W42	
M2698ZC250	2500	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W7	
M2698ZC280	2800	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W7	
M2698ZC350	3500	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W7	
M2698ZD250	2500	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W42	
M2698ZD280	2800	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W42	
M2698ZD350	3500	2698	27800	3.86×10^6	6.20	1200	1000	60	1.000	0.330	0.011	W42	
M2837VC180	1800	2837	31800	5.1×10^6	7.00	2100	1000	60	0.900	0.170	0.016	W6	
M2837VC250	2500	2837	31800	5.1×10^6	7.00	2100	1000	60	0.900	0.170	0.016	W6	
M2837VF180	1800	2837	31800	5.1×10^6	7.00	2100	1000	60	0.900	0.170	0.016	W43	
M2837VF250	2500	2837	31800	5.1×10^6	7.00	2100	1000	60	0.900	0.170	0.016	W43	
M3770ZC200	2000	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W7	
M3770ZC240	2400	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W7	
M3770ZC300	3000	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W7	
M3770ZD200	2000	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W42	
M3770ZD240	2400	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W42	
M3770ZD300	3000	3770	44000	9.68×10^6	7.00	2000	1000	60	1.190	1.118	0.011	W42	