

# Soft Recovery Diodes

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 6kV and average currents up to 2413A. 24mm to 75mm diameter silicon slices. These parts are particularly suitable where soft recovery is required, such as RCD snubbers, voltage clamping and snubberless applications.

## Stud Types

Part No.	V <sub>RRM</sub> V	I <sub>FAV</sub> A	I <sub>FSM</sub> A	I <sup>2</sup> t 10 ms ½ sine V <sub>R</sub> - ≤ 60% V <sub>RRM</sub> A <sup>2</sup> s	Typ. Reverse Recovery				V <sub>TO</sub>		T <sub>JM</sub> °C	R <sub>thJC</sub> d.c. 180° sine K/W	Fig. No.	Package style Outlines on pages O-01...O-35
					t <sub>rr</sub> µs	Q <sub>rr</sub> µC	T <sub>JM</sub>		V	mW				
							I <sub>FM</sub> A	-di <sub>F</sub> /dt A/µs						
M0130RL200	2000	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W20	
M0130RL250	2500	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W20	
M0130SL200	2000	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W20	
M0130SL250	2500	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W20	
M0130RM200	2000	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W21	
M0130RM250	2500	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W21	
M0130SM200	2000	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W21	
M0130SM250	2500	130	2240	25.0 x 10 <sup>3</sup>	2.60	430	1000	150	1.290	1.540	125	0.3000	W21	
M0139RL120	1200	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W20	
M0139RL180	1800	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W20	
M0139SL120	1200	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W20	
M0139SL180	1800	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W20	
M0139RM120	1200	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W21	
M0139RM180	1800	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W21	
M0139SM120	1200	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W21	
M0139SM180	1800	139	2450	30.0 x 10 <sup>3</sup>	1.00	125	1000	100	1.240	1.280	125	0.3000	W21	
M0268RC200	2000	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W24	
M0268RC250	2500	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W24	
M0268SC200	2000	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W24	
M0268SC250	2500	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W24	
M0268RJ200	2000	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W22	
M0268RJ250	2500	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W22	
M0268SJ200	2000	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W22	
M0268SJ250	2500	268	4250	90.3 x 10 <sup>3</sup>	2.80	300	1000	150	1.210	1.200	125	0.1300	W22	
M0280RC200	2000	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W24	
M0280RC250	2500	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W24	
M0280SC200	2000	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W24	
M0280SC250	2500	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W24	
M0280RJ200	2000	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W22	
M0280RJ250	2500	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W22	
M0280SJ200	2000	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W22	
M0280SJ250	2500	280	4500	100 x 10 <sup>3</sup>	2.80	610	1000	150	1.280	0.920	125	0.1300	W22	
M0334RC120	1200	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W24	
M0334RC200	2000	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W24	
M0334SC120	1200	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W24	
M0334SC200	2000	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W24	
M0334RJ120	1200	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W22	
M0334RJ200	2000	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W22	
M0334SJ120	1200	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W22	
M0334SJ200	2000	334	4500	101 x 10 <sup>3</sup>	3.50	160	550	40	1.000	0.740	125	0.1300	W22	
M0336RA120	1200	336	4500	101 x 10 <sup>3</sup>	3.00	140	550	40	1.020	0.700	125	0.1300	W23	
M0336RA140	1400	336	4500	101 x 10 <sup>3</sup>	3.00	140	550	40	1.020	0.700	125	0.1300	W23	
M0336SA120	1200	336	4500	101 x 10 <sup>3</sup>	3.00	140	550	40	1.020	0.700	125	0.1300	W23	
M0336SA140	1400	336	4500	101 x 10 <sup>3</sup>	3.00	140	550	40	1.020	0.700	125	0.1300	W23	