

# Soft Recovery Diodes - Capsule Types

WESTCODE

These parts are particularly suitable where soft recovery is required, such as RCD snubbers, voltage clamping and snubberless applications.

Type		V <sub>RRM</sub>	I <sub>FAV</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	Typ. Reverse Recovery Parameters				V <sub>TO</sub>	r <sub>T</sub>	T <sub>JM</sub>	R <sub>thJK</sub>	Fig. No.
Part No. ➤ New	Old Part No.	V	T <sub>K</sub> = 55°C A	A	10 ms ½ sine V <sub>R</sub> ≤ 60% V <sub>RRM</sub> A	T <sub>JM</sub> (50% Chord)				@T <sub>JM</sub>		°C	d.c. 180° sine K/W	
						t <sub>rr</sub> μs	Q <sub>ra</sub> μC	@I <sub>FM</sub> A	@-di <sub>F</sub> /dt A/μs	V	mΩ			
M0225YH300	SM30HXC084	3000	225	2000	20 × 10 <sup>3</sup>	3.00	100	550	40	1.900	4.160	150	0.100	W3
M0225YH360	SM36HXC084	3600	225	2000	20 × 10 <sup>3</sup>	3.00	100	550	40	1.900	4.160	150	0.100	W3
M0225YH450	SM45HXC084	4500	225	2000	20 × 10 <sup>3</sup>	3.00	100	550	40	1.900	4.160	150	0.100	W3
M0310YH300	SM30HXC103	3000	310	4590	105 × 10 <sup>3</sup>	2.80	210	1000	100	1.490	2.060	150	0.100	W3
M0310YH350	SM35HXC103	3500	310	4590	105 × 10 <sup>3</sup>	2.80	210	1000	100	1.490	2.060	150	0.100	W3
M0347WC160	SM16CXC134	1600	347	4250	90.3 × 10 <sup>3</sup>	2.80	60	550	40	1.210	1.200	125	0.090	W1
M0347WC200	SM20CXC134	2000	347	4250	90.3 × 10 <sup>3</sup>	2.80	60	550	40	1.210	1.200	125	0.090	W1
M0347WC250	SM25CXC134	2500	347	4250	90.3 × 10 <sup>3</sup>	2.80	60	550	40	1.210	1.200	125	0.090	W1
M0358WC120	SM12CXC100	1200	358	2450	30 × 10 <sup>3</sup>	1.40	65	1000	100	1.460	0.800	125	0.090	W1
M0358WC180	SM18CXC100	1800	358	2450	30 × 10 <sup>3</sup>	1.40	65	1000	100	1.460	0.800	125	0.090	W1
M0367WC140	SM14CXC144	1400	367	4500	101 × 10 <sup>3</sup>	3.30	120	550	40	1.280	0.920	125	0.090	W1
M0367WC220	SM22CXC144	2200	367	4500	101 × 10 <sup>3</sup>	3.30	120	550	40	1.280	0.920	125	0.090	W1
M0367WC280	SM28CXC144	2800	367	4500	101 × 10 <sup>3</sup>	3.30	120	550	40	1.280	0.920	125	0.090	W1
M0371YH350	SM35HXC164	3500	371	4900	120 × 10 <sup>3</sup>	3.20	625	1000	200	1.050	1.650	150	0.100	W3
M0371YH450	SM45HXC164	4500	371	4900	120 × 10 <sup>3</sup>	3.20	625	1000	200	1.050	1.650	150	0.100	W3
M0433WC120	SM12CXC174	1200	433	4500	101 × 10 <sup>3</sup>	3.50	120	550	40	1.000	0.740	125	0.090	W1
M0433WC160	SM16CXC174	1600	433	4500	101 × 10 <sup>3</sup>	3.50	120	550	40	1.000	0.740	125	0.090	W1
M0433WC200	SM20CXC174	2000	433	4500	101 × 10 <sup>3</sup>	3.50	120	550	40	1.000	0.740	125	0.090	W1
M0437WC080	SM08CXC170	800	437	4500	101 × 10 <sup>3</sup>	3.00	75	550	40	1.020	0.700	125	0.090	W1
M0437WC140	SM14CXC170	1400	437	4500	101 × 10 <sup>3</sup>	3.00	75	550	40	1.020	0.700	125	0.090	W1
M0451YC120	SM12CXC176	1200	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W2
M0451YC160	SM16CXC176	1600	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W2
M0451YC200	SM20CXC176	2000	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W2
M0451YH120	N/A	1200	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W3
M0451YH160	N/A	1600	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W3
M0451YH200	N/A	2000	451	4500	101 × 10 <sup>3</sup>	2.80	120	550	40	1.000	0.740	125	0.085	W3
M0659LC400	SM40CXC364	4000	659	7620	290 × 10 <sup>3</sup>	4.20	270	1000	60	1.710	0.925	125	0.033	W4
M0659LC450	SM45CXC364	4500	659	7620	290 × 10 <sup>3</sup>	4.20	270	1000	60	1.710	0.925	125	0.033	W4
M0710LC560	SM56CXC274	5600	710	8400	353 × 10 <sup>3</sup>	4.00	1000	1000	200	1.450	0.875	125	0.033	W4
M0710LC600	SM60CXC274	6000	710	8400	353 × 10 <sup>3</sup>	4.00	1000	1000	200	1.450	0.875	125	0.033	W4
M0736LC400	SM40CXC374	4000	736	9000	405 × 10 <sup>3</sup>	5.20	450	1000	60	1.606	0.700	125	0.033	W4
M0736LC450	SM45CXC374	4500	736	9000	405 × 10 <sup>3</sup>	5.20	450	1000	60	1.606	0.700	125	0.033	W4
M0759YC040	SM04CXC190	400	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W2
M0759YC120	SM12CXC190	1200	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W2
M0759YC160	SM16CXC190	1600	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W2
M0759YH040	N/A	400	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W3
M0759YH120	N/A	1200	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W3
M0759YH160	N/A	1600	759	9500	450 × 10 <sup>3</sup>	2.00	45	550	50	1.130	0.380	125	0.050	W3
M0859LC140	SM14CXC220	1400	859	10000	500 × 10 <sup>3</sup>	3.00	110	800	50	1.170	0.320	125	0.044	W4
M0859LC160	SM16CXC220	1600	859	10000	500 × 10 <sup>3</sup>	3.00	110	800	50	1.170	0.320	125	0.044	W4
M0863LC260	SM26CXC474	2600	863	10000	500 × 10 <sup>3</sup>	4.80	370	1000	60	1.308	0.538	125	0.033	W4
M0863LC300	SM30CXC474	3000	863	10000	500 × 10 <sup>3</sup>	4.80	370	1000	60	1.308	0.538	125	0.033	W4
M0863LC360	SM36CXC474	3600	863	10000	500 × 10 <sup>3</sup>	4.80	370	1000	60	1.308	0.538	125	0.033	W4
M0872LC140	SM14CXC224	1400	872	10000	500 × 10 <sup>3</sup>	4.00	280	1000	60	1.090	0.340	125	0.044	W4
M0872LC180	SM18CXC224	1800	872	10000	500 × 10 <sup>3</sup>	4.00	280	1000	60	1.090	0.340	125	0.044	W4
M0872LC210	SM21CXC224	2100	872	10000	500 × 10 <sup>3</sup>	4.00	280	1000	60	1.090	0.340	125	0.044	W4



W1 Weight 70 g



W2 Weight 80 g



W3 Weight 140 g



W4 Weight 340 g

Outlines on pages O-01...O-24