







Rectifier Diodes - Capsule Types

Our comprehensive range of rectifier diodes offers class leading performance and reliability. Devices with blocking voltages from 400V up to 6kV are available making them ideal for applications with line voltages up to 2kV. Optimised to offer low conduction losses, these devices are ideally suited to line frequency applications including input rectifiers for variable speed drives, traction converters, trackside substations, welding and DC power supplies. Featuring compression bonded, alloyed Silicon wafer construction, these devices feature low thermal impedance and high overload capacity and are designed to survive even the most arduous applications.

The latest additions to the Westcode Rectifier Diode family are the new 56mm dia Si Rectifier Diodes (outline W54). The new package designs have proven alloyed technology for better transient thermal and surge ratings, offering approximately 40% more current rating than 50mm products (outline W5) in the same space envelope.

Type Part No. ➤ New	V _{RRM} V	I _{FAV} T _K = 55°C A	I _{FSM} 10 ms A	I ² _t ½ sine V _R ≤ 60% V _{RRM} A ² s	V _{TO} r _T @ T _{JM}		T _{JM} °C	R _{thJK}		Fig. No.	Package style Outlines on pages O-01...O-24
					V	mΩ		180° Sine K/W	120° Rect. K/W		
W0507YH360	3600	507	7600	289 x 10 ³	0.970	0.880	160	0.1000	0.1170	W3	
W0507YH450	4500	507	7600	289 x 10 ³	0.970	0.880	160	0.1000	0.1170	W3	
W0614WC160	1600	614	4000	80 x 10 ³	1.000	0.830	180	0.0900	0.0980	W1	
W0614WC200	2000	614	4000	80 x 10 ³	1.000	0.830	180	0.0900	0.0980	W1	
W0614WC240	2400	614	4000	80 x 10 ³	1.000	0.830	180	0.0900	0.0980	W1	
W0642WC160	1600	680	5500	151 x 10 ³	1.070	0.676	190	0.0900	0.0980	W1	
W0642WC200	2000	680	5500	151 x 10 ³	1.070	0.676	190	0.0900	0.0980	W1	W1 Weight 70 g
W0642WC240	2400	680	5500	151 x 10 ³	1.070	0.676	190	0.0900	0.0980	W1	
W0646WC060	600	646	5500	151 x 10 ³	0.950	0.750	180	0.0900	0.0980	W1	
W0646WC120	1200	646	5500	151 x 10 ³	0.950	0.750	180	0.0900	0.0980	W1	
W0646WC150	1500	646	5500	151 x 10 ³	0.950	0.750	180	0.0900	0.0980	W1	
W0797WC040	400	797	7500	281 x 10 ³	0.800	0.548	190	0.0900	0.0980	W1	
W0797WC120	1200	797	7500	281 x 10 ³	0.800	0.548	190	0.0900	0.0980	W1	W2 Weight 80 g
W0797WC150	1500	797	7500	281 x 10 ³	0.800	0.548	190	0.0900	0.0980	W1	
W0944WC040	400	944	9000	405 x 10 ³	0.790	0.342	190	0.0900	0.0980	W1	
W0944WC120	1200	944	9000	405 x 10 ³	0.790	0.342	190	0.0900	0.0980	W1	
W0944WC150	1500	944	9000	405 x 10 ³	0.790	0.342	190	0.0900	0.0980	W1	
W1032LC500	5000	1032	7200	259 x 10 ³	1.000	0.702	150	0.0330	0.0400	W4	
W1032LC560	5600	1032	7200	259 x 10 ³	1.000	0.702	150	0.0330	0.0400	W4	W3 Weight 140 g
W1032LC600	6000	1032	7200	259 x 10 ³	1.000	0.702	150	0.0330	0.0400	W4	
W1074YC200	2000	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W2	
W1074YC260	2600	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W2	
W1074YC320	3200	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W2	
W1074YH200	2000	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W3	
W1074YH260	2600	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W3	W4 Weight 340 g
W1074YH320	3200	1074	10800	583 x 10 ³	0.920	0.390	160	0.0500	0.0610	W3	
W1185LC300	3000	1185	9200	423 x 10 ³	1.000	0.575	160	0.0330	0.0400	W4	
W1185LC380	3800	1185	9200	423 x 10 ³	1.000	0.575	160	0.0330	0.0400	W4	
W1185LC450	4500	1185	9200	423 x 10 ³	1.000	0.575	160	0.0330	0.0400	W4	
W1263YC160	1600	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W2	
W1263YC200	2000	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W2	W5
W1263YC250	2500	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W2	
W1263YH160	1600	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W3	
W1263YH200	2000	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W3	W5
W1263YH250	2500	1263	11700	684 x 10 ³	0.870	0.330	175	0.0500	0.0610	W3	
W1294NC500*	5000	1294	10000	500 x 10 ³	1.150	0.684	150	0.0220	0.0255	W5	
W1294NC600*	6000	1294	10000	500 x 10 ³	1.150	0.684	150	0.0220	0.0255	W5	W5
W1411LC300	3000	1411	10600	562 x 10 ³	0.900	0.388	160	0.0330	0.0400	W4	
W1411LC360	3600	1411	10600	562 x 10 ³	0.900	0.388	160	0.0330	0.0400	W4	
W1520NC500*	5000	1478	12000	720 x 10 ³	0.904	0.552	150	0.0220	0.0255	W5	W5
W1520NC600*	6000	1478	12000	720 x 10 ³	0.904	0.552	150	0.0220	0.0255	W5	
W1524LC240	2400	1524	12700	810 x 10 ³	0.870	0.323	160	0.0330	0.0400	W4	
W1524LC300	3000	1524	12700	810 x 10 ³	0.870	0.323	160	0.0330	0.0400	W4	W5
W1608NC400*	4000	1608	13000	845 x 10 ³	0.975	0.501	160	0.0220	0.0255	W5	
W1608NC500*	5000	1608	13000	845 x 10 ³	0.975	0.501	160	0.0220	0.0255	W5	
W1748LC080	800	1748	15400	1.19 x 10 ⁶	0.870	0.280	175	0.0330	0.0400	W4	W5
W1748LC180	1800	1748	15400	1.19 x 10 ⁶	0.870	0.280	175	0.0330	0.0400	W4	
W1748LC220	2200	1748	15400	1.19 x 10 ⁶	0.870	0.280	175	0.0330	0.0400	W4	
W1748LC250	2500	1748	15400	1.19 x 10 ⁶	0.870	0.280	175	0.0330	0.0400	W4	W5
W1856NC400*	4000	1856	16000	1.28 x 10 ⁶	0.975	0.348	160	0.0220	0.0255	W5	
W1856NC500*	5000	1856	16000	1.28 x 10 ⁶	0.975	0.348	160	0.0220	0.0255	W5	
W2052NC300*	3000	2052	19500	1.90 x 10 ⁶	0.865	0.288	160	0.0220	0.0255	W5	W5
W2052NC400*	4000	2052	19500	1.90 x 10 ⁶	0.865	0.288	160	0.0220	0.0255	W5	