

# Dual Thyristor Modules

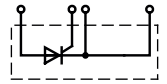


MCR...      MCC...      MCA...      MCK...

IXYS UK Westcode Ltd. has UL Certification for most modules (Underwriters Laboratories Inc). See the UL Listing.

Part No.	$V_{RRM}$	$I_{TAV}$	@ $T_C$	$I_{TRMS}$	$I_{TSM}$	$V_{T0}$	$r_T$	$T_{VJM}$	per Die		Fig. No.
	$V_{DRM}$								$R_{thJC}$	$R_{thCH}$	
	V								A	°C	
MCC160-30io3	3000	170	85	385	3650	1.200	2.300	125	0.110	0.0400	W102
MCC160-36io3	3600	170	85	385	3650	1.200	2.300	125	0.110	0.0400	W102
MCC220-28io3	2800	235	85	543	5000	0.900	1.100	125	0.110	0.0400	W102
MCC265-24io3	2400	280	85	655	6900	0.800	0.700	125	0.110	0.0400	W102
MCC320-30io2	3000	327	85	765	5000	1.150	0.800	125	0.062	0.0200	W74
MCC320-36io2	3600	327	85	765	5000	1.150	0.800	125	0.062	0.0200	W74
MCC325-14io3	1400	345	85	785	7650	0.750	0.500	125	0.110	0.0400	W102
MCC325-18io3	1800	345	85	785	7650	0.750	0.500	125	0.110	0.0400	W102
MCC380-28io2	2800	395	85	620	8100	1.000	0.650	125	0.062	0.0200	W74
MCC431-20io2	2000	429	85	1020	10900	1.000	0.410	125	0.062	0.0200	W74
MCC431-22io2	2200	429	85	1020	10900	1.000	0.410	125	0.062	0.0200	W74
MCC431-24io2	2400	429	85	1020	10900	1.000	0.410	125	0.062	0.0200	W74
MCC500-14io1	1400	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCC500-18io1	1800	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCC500-22io1	2200	500	80	1071	14000	0.880	0.460	125	0.062	0.0200	W63
MCK500-14io1	1400	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCK500-18io1	1800	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCK500-22io1	2200	500	80	1071	14000	0.880	0.460	125	0.062	0.0200	W63
MCA500-14io1	1400	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCA500-18io1	1800	500	89	1294	16500	0.850	0.270	125	0.062	0.0200	W63
MCA500-22io1	2200	500	80	1071	14000	0.880	0.460	125	0.062	0.0200	W63
MCC501-12io2	1200	503	85	1195	14500	0.850	0.300	125	0.062	0.0200	W74
MCC501-14io2	1400	503	85	1195	14500	0.850	0.300	125	0.062	0.0200	W74
MCC501-16io2	1600	503	85	1195	14500	0.850	0.300	125	0.062	0.0200	W74
MCC501-18io2	1800	503	85	1195	14500	0.850	0.300	125	0.062	0.0200	W74
MCC550-12io1	1200	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCC550-16io1	1600	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCK550-12io1	1200	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCK550-16io1	1600	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCA550-12io1	1200	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCA550-16io1	1600	550	85	1318	18000	0.839	0.244	125	0.062	0.0200	W63
MCC552-12io2	1200	550	85	1300	15800	0.770	0.259	125	0.062	0.0200	W74
MCC552-14io2	1400	550	85	1300	15800	0.770	0.259	125	0.062	0.0200	W74
MCC552-16io2	1600	550	85	1300	15800	0.770	0.259	125	0.062	0.0200	W74
MCC500-30io7	3000	500	85	1181	16200	1.079	0.422	125	0.050	0.0160	W88
MCC500-36io7	3600	500	85	1181	16200	1.079	0.422	125	0.050	0.0160	W88
MCR500-30io7	3000	500	85	1181	16200	1.079	0.422	125	0.050	0.0160	W88
MCR500-36io7	3600	500	85	1181	16200	1.079	0.422	125	0.050	0.0160	W88
MCC580-28io7	2800	581	85	1372	18900	0.926	0.313	125	0.050	0.0160	W88
MCR580-28io7	2800	581	85	1372	18900	0.926	0.313	125	0.050	0.0160	W88
MCC650-24io7	2400	646	85	1542	22100	0.874	0.227	125	0.050	0.0160	W88
MCR650-24io7	2400	646	85	1542	22100	0.874	0.227	125	0.050	0.0160	W88
MCC720-14io7	1400	719	85	1633	25200	0.823	0.241	130	0.050	0.0160	W88
MCC720-18io7	1800	719	85	1633	25200	0.823	0.241	130	0.050	0.0160	W88
MCR720-14io7	1400	719	85	1633	25200	0.823	0.241	130	0.050	0.0160	W88
MCR720-18io7	1800	719	85	1633	25200	0.823	0.241	130	0.050	0.0160	W88

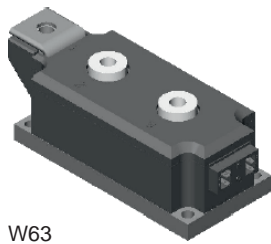
# Single Thyristor Modules



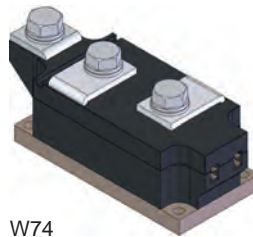
MCO

Part No.	$V_{RRM}$	$I_{TAV}$	@ $T_C$	$I_{TRMS}$	$I_{TSM}$ 125°C 10ms	$V_{T0}$	$r_T$	$T_{VJM}$	$R_{th}$		Fig. No.
	$V_{DRM}$								per Die	per Die	
➤ New	V	A	°C	A	A	V	mΩ	°C	K/W	K/W	
<b>MCO560-30io1</b>	3000	560	85	879	18900	1.050	0.470	125	0.042	0.0100	W73
<b>MCO560-36io1</b>	3600	560	85	879	18900	1.050	0.470	125	0.042	0.0100	W73
<b>MCO635-28io1</b>	2800	635	85	997	20700	0.950	0.350	125	0.042	0.0100	W73
<b>MCO741-22io1</b>	2200	765	85	2110	29000	0.850	0.277	125	0.042	0.0100	W73
<b>MCO801-14io1</b>	1400	830	85	2335	30000	0.800	0.240	130	0.042	0.0100	W73
<b>MCO801-18io2</b>	1800	830	85	2335	30000	0.800	0.240	130	0.042	0.0100	W73
➤ <b>N4340TJ180MBR</b>	1800	1110	85	3500	55000	0.886	0.105	125	0.031	0.0035	W116
➤ <b>N4340TJ220MBR</b>	2200	1110	85	3500	55000	0.886	0.105	125	0.031	0.0035	W116

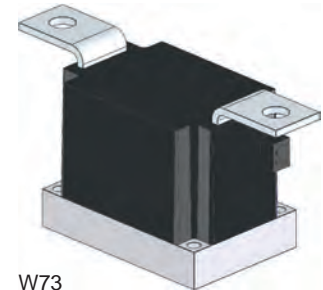
Outlines on pages O-01...O-35



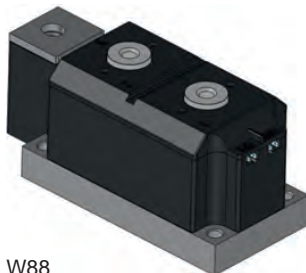
W63



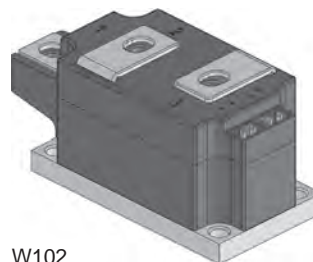
W74



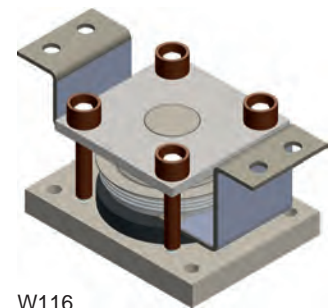
W73



W88



W102



W116