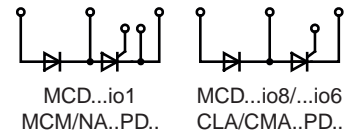


Thyristor / Diode Modules

$$I_{TAV} = 25 - 80 \text{ A}$$





Type	V_{RRM} V_{DRM}	I_{TAV}	T_C	$I_{T(RMS)}$	I_{TSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC}	R_{thCH}	Fig. No.	Package style Outline drawings on pages O-36...O-59	
	V	A	°C	A	A	V	mΩ	°C	K/W	K/W			
MCMA 25PD1200TB MCMA 25PD1600TB	1200 1600	25	82	40	400	0.87	13.0	140	1.20	0.20	X125b		
MCD 26-08io1B MCD 26-12io1B MCD 26-14io1B MCD 26-16io1B	800 1200 1400 1600	27	85	50	520	0.85	11.0	125	0.88	0.20			
MCD 26-08io8B MCD 26-12io8B MCD 26-14io8B MCD 26-16io8B	800 1200 1400 1600	27	85	50	520	0.85	11.0	125	0.88	0.20			X125d
MCMA 35PD1200TB MCMA 35PD1600TB	1200 1600	35	85	55	520	0.87	9.8	140	0.90	0.20			X125b
MCD 40-12io6 MCD 40-16io6	1200 1600	40	85	63	500	0.87	10.5	150	0.70	0.10	X027a		
MCD 44-08io1B MCD 44-12io1B MCD 44-14io1B MCD 44-16io1B MCD 44-18io1B	800 1200 1400 1200 1600	49	85	77	1150	0.85	5.3	125	0.53	0.20	X125b		
MCD 44-08io8B MCD 44-12io8B MCD 44-14io8B MCD 44-16io8B MCD 44-18io8B	800 1200 1400 1600 1800	49	85	77	1150	0.85	5.3	125	0.53	0.20			X125d
MCNA 40PD2200TB	2200	40	85	63	500	0.84	11.4	140	0.70	0.20	X125b		
MCMA 50PD1200TB MCMA 50PD1600TB	1200 1600	50	85	79	800	0.89	5.3	140	0.70	0.20			
CLA 60PD1200NA	1200	60	100	94	1100	0.79	4.8	150	0.55	0.10	X027a		
MCD 56-08io1B MCD 56-12io1B MCD 56-14io1B MCD 56-16io1B MCD 56-18io1B	800 1200 1400 1600 1800	60	85	100	1500	0.85	3.7	125	0.45	0.20	X125b		
MCD 56-08io8B MCD 56-12io8B MCD 56-14io8B MCD 56-16io8B MCD 56-18io8B	800 1200 1400 1600 1800	60	85	100	1500	0.85	3.7	125	0.45	0.20			X125d
MCNA 55PD2200TB	2200	55	85	86	800	0.90	9.0	150	0.50	0.20	X125b		
MCMA 65PD1200TB MCMA 65PD1600TB MCMA 65PD1800TB	1200 1600 1800	65	85	105	1150	0.85	4.8	140	0.50	0.20			
CMA 80PD1600NA	1600	80	80	126	1070	0.86	5.5	150	0.45	0.10			X027a

Thyristor / Diode Modules

$I_{TAV} = 75 - 165 \text{ A}$



Type	V_{RRM} V_{DRM}	I_{TAV}	T_C	$I_{T(RMS)}$	I_{TSM} 45°C 10 ms	V_{TO}	r_T	T_{VJM}	R_{thJC}	R_{thCH}	Fig. No.	Package style Outline drawings on pages O-36...O-59
➤ New	V	A	°C	A	A	V	mΩ	°C	K/W	K/W		
MCD 72-08io1B	800	85	85	180	1700	0.85	3.20	125	0.30	0.20	X125b	X125b TO-240AA 
MCD 72-12io1B	1200											
MCD 72-14io1B	1400											
MCD 72-16io1B	1600											
MCD 72-18io1B	1800											
MCD 72-08io8B	800	85	85	180	1700	0.85	3.20	125	0.30	0.20	X125d	
MCD 72-12io8B	1200											
MCD 72-14io8B	1400											
MCD 72-16io8B	1600											
MCD 72-18io8B	1800											
MCNA 75PD2200TB	2200	75	85	118	1050	0.90	6.50	140	0.38	0.20	X125b	X125d TO-240
MCMA 85PD1200TB	1200	85	85	135	1500	0.85	3.90	140	0.38	0.20		
MCMA 85PD1600TB	1600											
MCMA 85PD1800TB	1800											
CLA 100PD1200NA	1200	100	85	150	1500	0.83	3.70	150	0.35	0.10	X027a	
MCD 94-20io1B	2000	104	85	180	1700	0.85	3.20	125	0.22	0.20	X125b	
MCD 94-22io1B	2200											
MCD 95-08io1B	800	116	85	180	2250	0.85	2.40	125	0.22	0.20		X126b Y4 
MCD 95-12io1B	1200											
MCD 95-14io1B	1400											
MCD 95-16io1B	1600											
MCD 95-18io1B	1800											
MCD 95-08io8B	800	116	85	180	2250	0.85	2.40	125	0.22	0.20	X125d	X126b Y4 
MCD 95-12io8B	1200											
MCD 95-14io8B	1400											
MCD 95-16io8B	1600											
MCD 95-18io8B	1800											
MCNA 95PD2200TB	2200	95	85	149	1400	0.90	5.00	140	0.30	0.20	X125b	
MCMA 110PD1200TB	1200	110	85	170	1900	0.85	3.30	140	0.30	0.20		
MCMA 110PD1600TB	1600											
MCMA 110PD1800TB	1800											
MCNA 120PD2200TB	2200	120	85	190	1700	0.90	3.70	140	0.22	0.20		X027a SOT-227B miniBLOC 
MCMA 140PD1200TB	1200	140	85	200	2400	0.85	2.80	140	0.22	0.20		
MCMA 140PD1600TB	1600											
MCMA 140PD1800TB	1800											
MCD 132-08io1	800	130	85	300	4750	0.80	1.50	125	0.23	0.10	X126b	
MCD 132-12io1	1200											
MCD 132-14io1	1400											
MCD 132-16io1	1600											
MCD 132-18io1	1800											
➤ MCNA 150PD2200YB	2200	150	85	235	4300	0.86	2.10	140	0.21	0.11		
MCD 161-20io1	2000	165	85	300	6000	0.80	1.60	125	0.155	0.07		
MCD 161-22io1	2200											

Thyristor / Diode Modules



MCD...io1
MCM/NA...PD..

$I_{TAV} = 180 - 700 \text{ A}$

Type	V_{RRM} V_{DRM}	I_{TAV}	T_C	$I_{T(RMS)}$	I_{TSM} 45°C 10 ms	V_{T0}	r_T	T_{VJM}	R_{thJC}	R_{thCH}	Fig. No.	Package style Outline drawings on pages O-36...O-59
➤ New	V	A	°C	A	A	V	mΩ	°C	K/W	K/W		
MCD 162-08io1 MCD 162-12io1 MCD 162-14io1 MCD 162-16io1 MCD 162-18io1	800 1200 1400 1600 1800	181	85	300	6000	0.88	1.15	125	0.155	0.07	X126b	X126b Y4 
➤ MCNA 180PD2200YB MCMA 200PD1600SA	2200 1600	180 200	85	280 314	5400 6000	0.85 0.81	1.80 1.60	140	0.170 0.150	0.09 0.08	X141b	
MCD 200-14io1 MCD 200-16io1 MCD 200-18io1	1400 1600 1800	216	85	340	8000	0.80	1.40	125	0.130	0.05	X126b	X129b Y2 
➤ MCNA 220PD2200YB MCD 224-20io1 MCD 224-22io1	2200 2000 2200	220	85	345 400	7200 8000	0.84 0.80	1.50 0.76	140	0.130 0.139	0.07 0.04	X131b	X131b Y1 
MCD 225-12io1 MCD 225-14io1 MCD 225-16io1 MCD 225-18io1	1200 1400 1600 1800	221	85	400	8000	0.80	0.76	130	0.157	0.04	X131b	
➤ MCNA 250PD2200PTSF MCD 255-12io1 MCD 255-14io1 MCD 255-16io1 MCD 255-18io1	2200 1200 1400 1600 1800	250	85	400 450	5900 9000	0.76 0.80	2.20 0.68	150	0.100 0.140	0.05 0.04	X143a X131b	X143a 
MCMA 260PD1600YB MCMA 260PD1800YB	1600 1800	260	85	408	8300	0.81	1.23	140	0.130	0.08	X126b	
MCMA 265PD1600KB MCMA 265PD1800KB	1600 1800	260	85	408	8500	0.80	0.75	140	0.160	0.04	X131b	X141b SimBus A 
➤ MCMA 280PD1600PTSF MCD 310-08io1 MCD 310-12io1 MCD 310-14io1 MCD 310-16io1 MCD 310-18io1	1600 800 1200 1400 1600 1800	280	85	440	7000	0.83	1.57	150	0.100	0.05	X143a	X142b ComPack 
MCD 310-20io1 MCD 310-22io1	2000 2200	320	85	500	8000	0.80	0.82	140	0.112	0.04	X129b	
MCD 312-12io1 MCD 312-14io1 MCD 312-16io1 MCD 312-18io1	1200 1400 1600 1800	320	85	520	9200	0.80	0.68	140	0.120	0.04	X131b	X131b 
➤ MCNA 360PD2200PTSF ➤ MCMA 400PD1600PTSF ➤ MCNA 500PD2200PTSF ➤ MCMA 550PD1600PTSF	2200 1600 2200 1600	360 400	85	570 630	8400 10000	0.74 0.82	1.57 1.14	150	0.070 0.070	0.04 0.04	X143a	X143a SimBus F PFP 
MCNA 650PD2200CB MCMA 700PD1600CB MCMA 700PD1800CB	2200 1600 1800	650 700	85	1020 1100	16000 19000	0.75 0.82	0.63 0.40	140	0.045 0.050	0.02 0.02	X142b	X142b See data sheet for pin arrangement

For more thyristor / diode modules with higher current, please see pages 162, 163 and 166