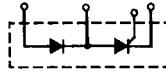


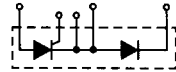
# Thyristor / Diode Modules



MCD...io8/...io6

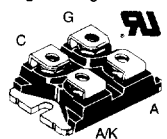
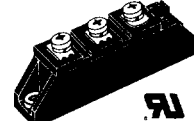
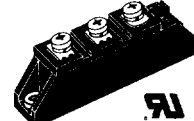
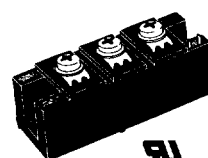
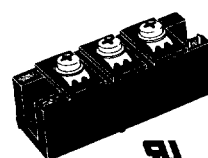
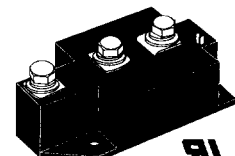
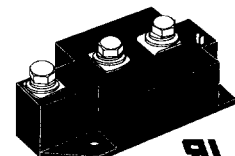
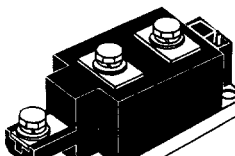
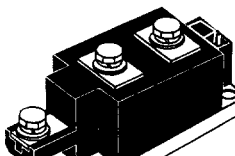


MCD...io1



MCD...io1B

$I_{TAV} = 27-250 \text{ A}$

Type	$V_{RRM}$ V	$I_{TAV}$ A	$T_C$ °C	$I_{TRMS}$ A	$I_{TSM}$ 45°C 10 ms A	$V_{TO}$ V	$r_T$ mΩ	$T_{VJM}$ °C	$R_{thJC}$ per Chip K/W	$R_{thCH}$ per Chip K/W	Fig. No.	Package style
► New	V	A	°C	A	A	V	mΩ	°C	K/W	K/W	Fig. No.	Outline drawings on page 72-79
MCD26-08io8B MCD26-12io8B MCD26-14io8B MCD26-16io8B	800 1200 1400 1600	27	85	50	520	0.85	11	125	0.88	0.2	27	Fig. 12 SOT-227B miniBLOC Weight = 30 g
MCD40-12io6 MCD40-16io6	1200 1600	38	85	60	500	0.85	9.5	125	0.6	0.5	12	
MCD44-08io8B MCD44-12io8B MCD44-14io8B MCD44-16io8B MCD44-18io8B	800 1200 1400 1600 1800	49	85	80	1150	0.85	5.3	125	0.53	0.2	27	
► MCD56-06io1B	600	60	85	100	1500	0.85	3.7	125	0.45	0.2	26	
► MCD56-14io1 ► MCD56-16io1	1400 1600	60	85	100	1500	0.85	3.7	125	0.45	0.2	26	Fig. 26/27 TO-240 AA Weight = 90 g
► MCD56-08io1B ► MCD56-12io1B ► MCD56-16io1B	800 1200 1600	60	85	100	1500	0.85	3.7	125	0.45	0.2	27	
MCD56-08io8B MCD56-12io8B MCD56-14io8B MCD56-16io8B MCD56-18io8B	800 1200 1400 1600 1800	60	85	100	1500	0.85	3.7	125	0.45	0.2	27	
► MCD72-12io1B ► MCD72-16io1B	1200 1600	85	85	180	1700	0.85	3.2	125	0.3	0.2	26	Fig. 32 Weight = 125 g
MCD72-08io8B MCD72-12io8B MCD72-14io8B MCD72-16io8B MCD72-18io8B	800 1200 1400 1600 1800	85	85	180	1700	0.85	3.2	125	0.3	0.2	27	
MCD94-20io1B MCD94-22io1B	2000 2200	104	85	180	1700	0.85	3.2	125	0.22	0.2	26	
► MCD95-14io1 ► MCD95-16io1	1400 1600	116	85	180	2250	0.8	2.4	125	0.22	0.2		
► MCD95-12io1B ► MCD95-16io1B	1200 1600	116	85	180	2250	0.8	2.4	125	0.22	0.2		Fig. 36 Weight = 320 g
MCD95-08io8B MCD95-12io8B MCD95-14io8B MCD95-16io8B MCD95-18io8B	800 1200 1400 1600 1800	116	85	180	2250	0.8	2.4	125	0.22	0.2	27	
MCD132-08io1 MCD132-12io1 MCD132-14io1 MCD132-16io1 MCD132-18io1	800 1200 1400 1600 1800	130	85	300	5500	0.8	1.5	125	0.23	0.1	32	
MCD161-20io1 MCD161-22io1	2000 2200	165	85	300	6000	0.8	1.6	125	0.155	0.07		
MCD162-08io1 MCD162-12io1 MCD162-14io1 MCD162-16io1 MCD162-18io1	800 1200 1400 1600 1800	181	85	300	6000	0.88	1.15	125	0.155	0.07		Fig. 37 Weight = 750 g
► MCD224-20io1 ► MCD224-22io1	2000 2200	240	85	400	8000	0.8	0.76	130	0.139	0.04	37	
MCD220-08io1 MCD220-12io1 MCD220-14io1 MCD220-16io1	800 1200 1400 1600	250	85	400	8500	0.9	1.0	140	0.139	0.04	36	

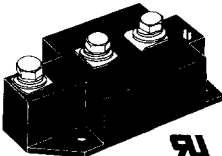
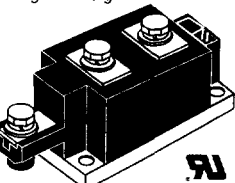
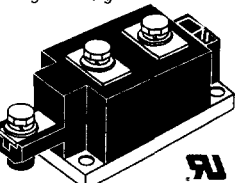
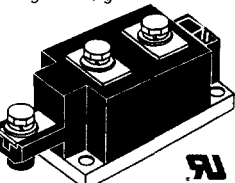
Data according to IEC 60747 and refer to a single diode unless otherwise stated.

# Thyristor / Diode Modules



MCD...io1

$I_{TAV} = 221 - 320 \text{ A}$

Type	$V_{RRM}$ $V_{DRM}$ V	$I_{TAV}$ A	$T_C$ °C	$I_{TRMS}$ A	$I_{TSM}$ 45°C 10 ms A	$V_{TO}$ V	$r_T$ mΩ	$T_{VJM}$ °C	$R_{thJC}$ per Chip K/W	$R_{thCH}$ per Chip K/W	Fig. No.	Package style Outline drawings on page 72-79
MCD225-12io1 MCD225-14io1 MCD225-16io1 MCD225-18io1	1200 1400 1600 1800	221	85	400	8000	0.8	0.76	130	0.157	0.04	37	Fig. 36 Weight = 320 g
MCD250-08io1 MCD250-12io1 MCD250-14io1 MCD250-16io1	800 1200 1400 1600	287	85	450	9000	0.85	0.82	140	0.129	0.04	36	 Fig. 36 Weight = 320 g
MCD255-12io1 MCD255-14io1 MCD255-16io1 MCD255-18io1	1200 1400 1600 1800	250	85	450	9000	0.8	0.68	130	0.14	0.04	37	 Fig. 37 Weight = 750 g
MCD310-08io1 MCD310-12io1 MCD310-14io1 MCD310-16io1 MCD310-18io1 MCD310-20io1 MCD310-22io1	800 1200 1400 1600 1800 2000 2200	320	85	500	9200	0.8	0.82	140	0.112	0.04	36	 Fig. 37 Weight = 750 g
MCD312-12io1 MCD312-14io1 MCD312-16io1 MCD312-18io1	1200 1400 1600 1800	320	85	520	9200	0.8	0.68	140	0.12	0.04	37	 Fig. 37 Weight = 750 g