

Thyristor & Diode Modules

Circuit configuration:Half-Bridge

ITEM	V _{DRM} /V _{RRM}	I _T (AV)	I _{TSM}	I ² t	dv/dt	di/dt	I _{DRM} /I _{RRM}	I _{GT}	V _{GT}	I _H	V _{TM} /I _{TM}	V _{TO}	r _T	R _{th(j-c)}	R _{th(c-h)}	T _{Jm}	Viso	Out Line No.
	CONDITION	125°C	85°C	10ms	125°C	125°C	125°C	25°C	25°C	25°C	125°C	25°C	125°C	per chip				
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W		°C	V(AC)	
MD70TH**	800-1,800	70	1.5	11.3	1,000	200	10	100	2.5	120	1.50/210	0.8	2.64	0.41	0.20	125	3,000	M01
MD90TH**	800-1,800	90	1.8	16.2	1,000	200	12	100	2.5	120	1.73/270	0.8	3.01	0.28	0.15	125	3,000	M01
MD110TH**	800-1,800	110	2.2	24.2	1,000	200	12	100	2.5	120	1.69/330	0.8	2.29	0.25	0.15	125	3,000	M01
MD135TH**	800-1,800	135	3.6	65.0	1,000	200	20	150	2.5	120	1.75/410	0.8	2.6	0.18	0.060	125	3,000	M02
MD160TH**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.8	1.69	0.17	0.080	125	3,000	M02
MD182TH**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.8	1.26	0.16	0.080	125	3,000	M02
MD250TH**	800-1,800	250	9	405	1,000	200	25	180	2.5	150	1.57/750	0.8	0.85	0.12	0.030	125	3,000	M03
MD285TH**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.8	0.42	0.12	0.030	125	3,000	M03
MD300TH**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.8	0.42	0.12	0.030	125	3,000	M03
MD330TH**	800-1,800	330	9.1	414	1,000	200	25	180	2.5	150	1.45/990	0.8	0.53	0.12	0.030	125	3,000	M03
MD350TH**	800-1,800	350	11	605	1,000	200	35	180	2.5	150	1.45/1,050	0.95	0.36	0.09	0.040	125	3,000	M05
MD400TH**	800-1,800	400	14.5	1,051	1,000	200	35	200	3.0	200	1.52/1,200	0.8	0.34	0.065	0.024	125	3,000	M06
MD500TH**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.8	0.34	0.065	0.024	125	3,000	M06
MD570TH**	800-1,800	570	15	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.8	0.20	0.065	0.024	125	3,000	M06
MD600TH**	800-1,800	600	16	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.8	0.28	0.054	0.024	125	3,000	M07
MD800TH**	800-1,800	800	22	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.8	0.20	0.042	0.020	125	3,000	M07
MD1000TH**	800-1,800	1,000	28	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.8	0.15	0.034	0.020	125	3,000	M08
MD1200TH**	800-1,800	1,200	34	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.8	0.09	0.0321	0.020	125	3,000	M08
MD70TH**	2,000-2,500	70	1.43	10.2	1,000	200	12	100	2.5	150	1.93/210	0.85	3.5	0.39	0.20	125	3,000	M01
MD90TH**	2,000-2,500	90	1.5	11.2	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01
MD110TH**	2,000-2,500	110	1.6	12.8	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01
MD135TH**	2,000-2,500	135	3.6	65	1,000	200	30	150	2.5	150	1.96/410	0.85	1.91	0.20	0.080	125	3,000	M02
MD160TH**	2,000-2,500	160	4.2	88	1,000	200	30	150	2.5	150	1.90/480	0.85	1.53	0.17	0.080	125	3,000	M02
MD182TH**	2,000-2,500	182	4.5	101	1,000	200	30	150	2.5	150	1.84/550	0.85	1.21	0.16	0.080	125	3,000	M02
MD200TH**	2,000-2,500	200	8	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03
MD250TH**	2,000-2,500	250	9	405	1,000	200	30	180	2.5	150	1.73/750	0.85	0.8	0.12	0.040	125	3,000	M03
MD300TH**	2,000-2,500	300	9.2	423	1,000	200	45	180	2.5	150	1.99/900	0.85	0.65	0.10	0.040	125	3,000	M03
MD350TH**	2,000-2,500	350	11	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.5	0.090	0.040	125	3,000	M05
MD400TH**	2,000-2,500	400	12.5	781	1,000	200	45	200	3.0	200	1.92@1,500	0.83	0.42	0.080	0.040	125	3,000	M06
MD500TH**	2,000-2,500	500	14.5	1,051	1,000	200	45	200	3.0	200	2.20/1,500	0.85	0.39	0.060	0.040	125	3,000	M06
MD600TH**	2,000-2,500	600	16	1,280	1,000	200	50	200	3.0	200	1.65/1,800	0.88	0.24	0.054	0.030	125	3,000	M07
MD800TH**	2,000-2,500	800	22	2,420	1,000	200	50	200	3.0	200	2.00@2,400	0.85	0.17	0.042	0.030	125	3,000	M07
MD1000TH**	2,000-2,500	1,000	28	3,920	1,000	200	60	200	3.0	200	2.10/3,000	0.85	0.14	0.034	0.030	125	3,000	M08
MD1200TH**	2,000-2,500	1,200	34	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.077	0.031	0.030	125	3,000	M08
MD200TH**	2,600-3,600	200	8	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04
MD250TH**	2,600-3,600	250	9	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05
MD300TH**	2,600-3,600	300	9.2	423	1,000	200	55	180	2.5	150	2.45/900	0.93	1.00	0.080	0.040	125	4,000	M05
MD400TH**	2,600-3,600	400	12.5	781	1,000	200	55	200	3.0	200	2.35/1,200	0.98	0.88	0.054	0.024	125	4,000	M07
MD500TH**	2,600-3,600	500	14.5	1,051	1,000	200	55	200	3.0	200	2.70/1,500	0.95	0.51	0.050	0.024	125	4,000	M07

Water Colling Type

ITEM	V _{DRM} /V _{RRM}	I _T (AV)	I _{TSM}	I ² t	dv/dt	di/dt	I _{DRM} /I _{RRM}	I _{GT}	V _{GT}	I _H	V _{TM} /I _{TM}	V _{TO}	r _T	R _{th(j-c)}	R _{th(c-h)}	T _{Jm}	Viso	Out Line No.
	CONDITION	125°C	55°C	10ms	125°C	125°C	125°C	25°C	25°C	25°C	125°C	125°C	per chip					
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W		°C	V(AC)	
MD400TH**W	800-1,800	400	12.5	781	800	100	35	200	3.0	200	1.90/1,200	0.80	0.80	0.11	0.040	125	2,500	M13
MD600TH**W	800-1,800	600	16.0	1,280	800	100	45	200	3.0	200	1.90/1,800	0.80	0.53	0.073	0.040	125	2,500	M14
MD1000TH**W	800-1,800	1,000	26.0	3,380	800	100	55	200	3.0	200	2.05/3,000	0.81	0.21	0.052	0.018	125	2,500	M15
MD400TH**W	2,000-2,500	400	11.0	605	800	100	45	200	3.0	200	2.18/1,200	0.82	0.79	0.11	0.040	125	3,000	M13
MD500TH**W	2,000-2,500	500	13.0	845	800	100	45	200	3.0	200	2.15/1,500	0.87	0.78	0.073	0.040	125	3,000	M14
MD800TH**W	2,000-2,500	800	16.0	1,280	800	100	50	200	3.0	200	2.35/2,400	0.88	0.47	0.048	0.024	125	3,000	M15
MD400TH**W	2,600-3,600	400	10.5	551	800	100	50	200	3.0	200	2.85/1,200	1.12	1.25	0.073	0.040	125	4,000	M14
MD600TH**W	2,600-3,600	600	14.0	980	800	100	55	200	3.0	200	2.95/1,800	1.02	0.95	0.048	0.024	125	4,000	M15

Thyristor & Diode Modules

Circuit configuration: Cathode Common

ITEM CONDITION	V _{DRM} /V _{RRM} 125°C	I _T (AV) 85°C	I _{TSM} 10ms	I ² _t	dv/dt 125°C	di/dt 125°C	I _{DRM} /I _{RRM} 125°C	I _{GT}	V _{GT} 25°C	I _H	V _{TM} /I _{TM} 25°C	V _{TO} 125°C	r _T	R _{th(j-c)} per chip	R _{th(c-h)}	T _{jm} °C	Viso V(AC)	Out Line No.
	UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W			
MC70TH**	800-1,800	70	1.5	11.3	1,000	200	10	100	2.5	120	1.50/210	0.8	2.64	0.41	0.20	125	3,000	M01
MC90TH**	800-1,800	90	1.8	16.2	1,000	200	12	100	2.5	120	1.73/270	0.8	3.01	0.28	0.15	125	3,000	M01
MC110TH**	800-1,800	110	2.2	24.2	1,000	200	12	100	2.5	120	1.69/330	0.8	2.29	0.25	0.15	125	3,000	M01
MC135TH**	800-1,800	135	3.6	65.0	1,000	200	20	150	2.5	120	1.75/410	0.8	2.6	0.18	0.060	125	3,000	M02
MC160TH**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.8	1.69	0.17	0.080	125	3,000	M02
MC182TH**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.8	1.26	0.16	0.080	125	3,000	M02
MC250TH**	800-1,800	250	9	405	1,000	200	25	180	2.5	150	1.57/750	0.8	0.85	0.12	0.030	125	3,000	M03
MC285TH**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.8	0.42	0.12	0.030	125	3,000	M03
MC300TH**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.8	0.42	0.12	0.030	125	3,000	M03
MC330TH**	800-1,800	330	9.1	414	1,000	200	25	180	2.5	150	1.45/990	0.8	0.53	0.12	0.030	125	3,000	M03
MC350TH**	800-1,800	350	11	605	1,000	200	35	180	2.5	150	1.45/1,050	0.95	0.36	0.090	0.040	125	3,000	M05
MC400TH**	800-1,800	400	14.5	1,051	1,000	200	35	200	3.0	200	1.52/1,200	0.8	0.34	0.065	0.020	125	3,000	M06
MC500TH**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.8	0.34	0.065	0.024	125	3,000	M06
MC570TH**	800-1,800	570	15	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.8	0.20	0.065	0.024	125	3,000	M06
MC600TH**	800-1,800	600	16	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.8	0.28	0.054	0.024	125	3,000	M07
MC800TH**	800-1,800	800	22	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.8	0.20	0.042	0.020	125	3,000	M07
MC1000TH**	800-1,800	1,000	28	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.8	0.15	0.034	0.020	125	3,000	M08
MC1200TH**	800-1,800	1,200	34	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.8	0.09	0.0321	0.020	125	3,000	M08
MC70TH**	2,000-2,500	70	1.43	10.2	1,000	200	12	100	2.5	150	1.93/210	0.85	3.5	0.39	0.20	125	3,000	M01
MC90TH**	2,000-2,500	90	1.5	11.2	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01
MC110TH**	2,000-2,500	110	1.6	12.8	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01
MC135TH**	2,000-2,500	135	3.6	65	1,000	200	30	150	2.5	150	1.96/410	0.85	1.91	0.20	0.080	125	3,000	M02
MC160TH**	2,000-2,500	160	4.2	88	1,000	200	30	150	2.5	150	1.90/480	0.85	1.53	0.17	0.080	125	3,000	M02
MC182TH**	2,000-2,500	182	4.5	101	1,000	200	30	150	2.5	150	1.84/550	0.85	1.21	0.16	0.080	125	3,000	M02
MC200TH**	2,000-2,500	200	8	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03
MC250TH**	2,000-2,500	250	9	405	1,000	200	30	180	2.5	150	1.73/750	0.85	0.8	0.12	0.040	125	3,000	M03
MC300TH**	2,000-2,500	300	9.2	423	1,000	200	45	180	2.5	150	1.99/900	0.85	0.65	0.10	0.040	125	3,000	M03
MC350TH**	2,000-2,500	350	11	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.5	0.090	0.040	125	3,000	M05
MC400TH**	2,000-2,500	400	12.5	781	1,000	200	45	200	3.0	200	1.92@1,500	0.83	0.42	0.080	0.040	125	3,000	M06
MC500TH**	2,000-2,500	500	14.5	1,051	1,000	200	45	200	3.0	200	2.20/1,500	0.85	0.39	0.060	0.040	125	3,000	M06
MC600TH**	2,000-2,500	600	16	1,280	1,000	200	50	200	3.0	200	1.65/1,800	0.88	0.24	0.054	0.030	125	3,000	M07
MC800TH**	2,000-2,500	800	22	2,420	1,000	200	50	200	3.0	200	2.00@2,400	0.85	0.17	0.042	0.030	125	3,000	M07
MC1000TH**	2,000-2,500	1,000	28	3,920	1,000	200	60	200	3.0	200	2.10/3,000	0.85	0.14	0.034	0.030	125	3,000	M08
MC1200TH**	2,000-2,500	1,200	34	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.077	0.031	0.030	125	3,000	M08
MC200TH**	2,600-3,600	200	8	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04
MC250TH**	2,600-3,600	250	9	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05
MC300TH**	2,600-3,600	300	9.2	423	1,000	200	55	180	2.5	150	2.45/900	0.93	1.00	0.080	0.040	125	4,000	M05
MC400TH**	2,600-3,600	400	12.5	781	1,000	200	55	200	3.0	200	2.35/1,200	0.98	0.88	0.054	0.024	125	4,000	M07
MC500TH**	2,600-3,600	500	14.5	1,051	1,000	200	55	200	3.0	200	2.70/1,500	0.95	0.51	0.050	0.024	125	4,000	M07

Water Colling Type

ITEM CONDITION	V _{DRM} /V _{RRM} 125°C	I _T (AV) 55°C	I _{TSM} 10ms	I ² _t	dv/dt 125°C	di/dt 125°C	I _{DRM} /I _{RRM} 125°C	I _{GT}	V _{GT} 25°C	I _H	V _{TM} /I _{TM} 25°C	V _{TO} 125°C	r _T	R _{th(j-c)} per chip	R _{th(c-h)}	T _{jm} °C	Viso V(AC)	Out Line No.
	UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W			
MC400TH**W	800-1,800	400	12.5	781	800	100	35	200	3.0	200	1.90/1,200	0.80	0.80	0.11	0.040	125	2,500	M13
MC600TH**W	800-1,800	600	16.0	1,280	800	100	45	200	3.0	200	1.90/1,800	0.80	0.53	0.073	0.040	125	2,500	M14
MC1000TH**W	800-1,800	1,000	26.0	3,380	800	100	55	200	3.0	200	2.05/3,000	0.81	0.21	0.052	0.018	125	2,500	M15
MC400TH**W	2,000-2,500	400	11.0	605	800	100	45	200	3.0	200	2.18/1,200	0.82	0.79	0.11	0.040	125	3,000	M13
MC500TH**W	2,000-2,500	500	13.0	845	800	100	45	200	3.0	200	2.15/1,500	0.87	0.78	0.073	0.040	125	3,000	M14
MC800TH**W	2,000-2,500	800	16.0	1,280	800	100	50	200	3.0	200	2.35/2,400	0.88	0.47	0.048	0.024	125	3,000	M15
MC400TH**W	2,600-3,600	400	10.5	551	800	100	50	200	3.0	200	2.85/1,200	1.12	1.25	0.073	0.040	125	4,000	M14
MC600TH**W	2,600-3,600	600	14.0	980	800	100	55	200	3.0	200	2.95/1,800	1.02	0.95	0.048	0.024	125	4,000	M15

Thyristor & Diode Modules

Circuit configuration: Anode Common

ITEM	V _{DRM} /V _{RRM}		I _T (AV)		I _{TSM}	I ² t	dv/dt		di/dt		I _{DRM} /I _{RRM}	I _{GT}	V _{GT}		I _H	V _{TM} /I _{TM}		V _{TO}	r _T	R _{th(j-c)}	R _{th(c-h)}	T _{Jm}	Viso	Out Line No.			
	125°C	85°C	10ms	125°C			125°C	25°C	25°C	25°C			125°C	per chip													
CONDITION	125°C	85°C	10ms	125°C	125°C	25°C	25°C	25°C	125°C	per chip	125°C	25°C	125°C	per chip	125°C	25°C	125°C	per chip	125°C	25°C	per chip	125°C	25°C	per chip	125°C	25°C	per chip
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W	°C	V(AC)	°C	°C/W	°C	V(AC)	°C	°C/W	°C	V(AC)	°C	V(AC)	°C
MR70TH**	800-1,800	70	1.5	11.3	1,000	200	10	100	2.5	120	1.50/210	0.8	2.64	0.41	0.20	125	3,000	M01									
MR90TH**	800-1,800	90	1.8	16.2	1,000	200	12	100	2.5	120	1.73/270	0.8	3.01	0.28	0.15	125	3,000	M01									
MR110TH**	800-1,800	110	2.2	24.2	1,000	200	12	100	2.5	120	1.69/330	0.8	2.29	0.25	0.15	125	3,000	M01									
MR135TH**	800-1,800	135	3.6	65.0	1,000	200	20	150	2.5	120	1.75/410	0.8	2.6	0.18	0.060	125	3,000	M02									
MR160TH**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.8	1.69	0.17	0.080	125	3,000	M02									
MR182TH**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.8	1.26	0.16	0.080	125	3,000	M02									
MR250TH**	800-1,800	250	9	405	1,000	200	25	180	2.5	150	1.57/750	0.8	0.85	0.12	0.030	125	3,000	M03									
MR285TH**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.8	0.42	0.12	0.030	125	3,000	M03									
MR300TH**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.8	0.42	0.12	0.030	125	3,000	M03									
MR330TH**	800-1,800	330	9.1	414	1,000	200	25	180	2.5	150	1.45/990	0.8	0.53	0.12	0.030	125	3,000	M03									
MR350TH**	800-1,800	350	11	605	1,000	200	35	180	2.5	150	1.45/1,050	0.95	0.36	0.090	0.040	125	3,000	M05									
MR400TH**	800-1,800	400	14.5	1,051	1,000	200	35	200	3.0	200	1.52/1,200	0.8	0.34	0.065	0.020	125	3,000	M06									
MR500TH**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.8	0.34	0.065	0.024	125	3,000	M06									
MR570TH**	800-1,800	570	15	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.8	0.20	0.065	0.024	125	3,000	M06									
MR600TH**	800-1,800	600	16	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.8	0.28	0.054	0.024	125	3,000	M07									
MR800TH**	800-1,800	800	22	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.8	0.20	0.042	0.020	125	3,000	M07									
MR1000TH**	800-1,800	1,000	28	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.8	0.15	0.034	0.020	125	3,000	M08									
MR1200TH**	800-1,800	1,200	34	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.8	0.09	0.0321	0.020	125	3,000	M08									
MR70TH**	2,000-2,500	70	1.43	10.2	1,000	200	12	100	2.5	150	1.93/210	0.85	3.5	0.39	0.20	125	3,000	M01									
MR90TH**	2,000-2,500	90	1.5	11.2	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01									
MR110TH**	2,000-2,500	110	1.6	12.8	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01									
MR160TH**	2,000-2,500	160	4.2	88	1,000	200	30	150	2.5	150	1.90/480	0.85	1.53	0.17	0.080	125	3,000	M02									
MR182TH**	2,000-2,500	182	4.5	101	1,000	200	30	150	2.5	150	1.84/550	0.85	1.21	0.16	0.080	125	3,000	M02									
MR200TH**	2,000-2,500	200	8	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03									
MR250TH**	2,000-2,500	250	9	405	1,000	200	30	180	2.5	150	1.73/750	0.85	0.8	0.12	0.040	125	3,000	M03									
MR300TH**	2,000-2,500	300	9.2	423	1,000	200	45	180	2.5	150	1.99/900	0.85	0.65	0.10	0.040	125	3,000	M03									
MR350TH**	2,000-2,500	350	11	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.5	0.090	0.040	125	3,000	M05									
MR400TH**	2,000-2,500	400	12.5	781	1,000	200	45	200	3.0	200	1.92@1,500	0.83	0.42	0.080	0.040	125	3,000	M06									
MR500TH**	2,000-2,500	500	14.5	1,051	1,000	200	45	200	3.0	200	2.20/1,500	0.85	0.39	0.060	0.040	125	3,000	M06									
MR600TH**	2,000-2,500	600	16	1,280	1,000	200	50	200	3.0	200	1.65/1,800	0.88	0.24	0.054	0.030	125	3,000	M07									
MR800TH**	2,000-2,500	800	22	2,420	1,000	200	50	200	3.0	200	2.00@2,400	0.85	0.17	0.042	0.030	125	3,000	M07									
MR1000TH**	2,000-2,500	1,000	28	3,920	1,000	200	60	200	3.0	200	2.10/3,000	0.85	0.14	0.034	0.030	125	3,000	M08									
MR1200TH**	2,000-2,500	1,200	34	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.077	0.031	0.030	125	3,000	M08									
MR200TH**	2,600-3,600	200	8	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04									
MR250TH**	2,600-3,600	250	9	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05									
MR300TH**	2,600-3,600	300	9.2	423	1,000	200	55	180	2.5	150	2.45/900	0.93	1.00	0.080	0.040	125	4,000	M05									
MR400TH**	2,600-3,600	400	12.5	781	1,000	200	55	200	3.0	200	2.35/1,200	0.98	0.88	0.054	0.024	125	4,000	M07									
MR500TH**	2,600-3,600	500	14.5	1,051	1,000	200	55	200	3.0	200	2.70/1,500	0.95	0.51	0.050	0.024	125	4,000	M07									

Water Cooling Type

ITEM	V _{DRM} /V _{RRM}		I _T (AV)		I _{TSM}	I ² t	dv/dt		di/dt		I _{DRM} /I _{RRM}	I _{GT}	V _{GT}		I _H	V _{TM} /I _{TM}		V _{TO}	r _T	R _{th(j-c)}	R _{th(c-h)}	T _{Jm}	Viso	Out Line No.			
	125°C	55°C	10ms	125°C			125°C	25°C	25°C	25°C			125°C	per chip													
CONDITION	125°C	55°C	10ms	125°C	125°C	25°C	25°C	25°C	125°C	per chip	125°C	25°C	125°C	per chip	125°C	25°C	125°C	per chip	125°C	25°C	per chip	125°C	25°C	per chip	125°C	25°C	per chip
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W	°C	V(AC)	°C	°C/W	°C	V(AC)	°C	°C/W	°C	V(AC)	°C	V(AC)	°C
MR400TH**W	800-1,800	400	12.5	781	800	100	35	200	3.0	200	1.90/1,200	0.80	0.80	0.11	0.040	125	2,500	M13									
MR600TH**W	800-1,800	600	16.0	1,280	800	100	45	200	3.0	200	1.90/1,800	0.80	0.53	0.073	0.040	125	2,500	M14									
MR1000TH**W	800-1,800	1,000	26.0	3,380	800	100	55	200	3.0	200	2.05/3,000	0.81	0.21	0.052	0.018	125	2,500	M15									
MR400TH**W	2,000-2,500	400	11.0	605	800	100	45	200	3.0	200	2.18/1,200	0.82	0.79	0.11	0.040	125	3,000	M13									
MR500TH**W	2,000-2,500	500	13.0	845	800	100	45	200	3.0	200	2.15/1,500	0.87	0.78	0.073	0.040	125	3,000	M14									
MR800TH**W	2,000-2,500	800	16.0	1,280	800	100	50	200	3.0	200	2.35/2,400	0.88	0.47	0.048	0.024	125	3,000	M15									
MR400TH**W	2,600-3,600	400	10.5	551	800	100	50	200	3.0	200	2.85/1,200	1.12	1.25	0.073	0.040	125	4,000	M14									
MR600TH**W	2,600-3,600	600	14.0	980	800	100	55	200	3.0	200	2.95/1,800	1.02	0.95	0.048	0.024	125	4,000	M15									