

Thyristor 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	25°C	25°C	25°C	25°C	125°C	per chip		°C/W		°C			
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω			°C	V(AC)		
MD70T**	800-1,800	70	1.5	11	1,000	200	10	100	2.5	120	1.50/210	0.80	2.64	0.41	0.20	125	3,000	M01	
MD90T**	800-1,800	90	1.8	16	1,000	200	12	100	2.5	120	1.73/270	0.80	3.01	0.28	0.15	125	3,000	M01	
MD110T**	800-1,800	110	2.2	24	1,000	200	12	100	2.5	120	1.69/330	0.80	2.29	0.25	0.15	125	3,000	M01	
MD135T**	800-1,800	135	3.6	65	1,000	200	20	150	2.5	120	1.75/410	0.80	2.60	0.18	0.08	125	3,000	M02	
MD160T**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.80	1.69	0.17	0.08	125	3,000	M02	
MD182T**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.80	1.26	0.16	0.08	125	3,000	M02	
MD250T**	800-1,800	250	9.0	405	1,000	200	25	180	2.5	150	1.57/750	0.80	0.85	0.12	0.030	125	3,000	M03	
MD285T**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.80	0.42	0.12	0.030	125	3,000	M03	
MD300T**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.80	0.42	0.12	0.030	125	3,000	M03	
MD330T**	800-1,800	330	9.1	605	1,000	200	25	180	2.5	150	1.45/990	0.80	0.53	0.12	0.030	125	3,000	M03	
MD350T**	800-1,800	350	11.0	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	
MD400T**	800-1,800	400	14.5	326	1,000	200	35	200	3.0	200	1.52/1,200	0.80	0.34	0.065	0.024	125	3,000	M06	
MD500T**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.80	0.34	0.065	0.024	125	3,000	M06	
MD570T**	800-1,800	570	15.0	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.80	0.30	0.065	0.024	125	3,000	M06	
MD600T**	800-1,800	600	16.0	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.80	0.28	0.054	0.024	125	3,000	M07	
MD800T**	800-1,800	800	22.0	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.80	0.20	0.042	0.020	125	3,000	M07	
MD1000T**	800-1,800	1,000	28.0	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.80	0.15	0.034	0.020	125	3,000	M08	
MD1200T**	800-1,800	1,200	34.0	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.80	0.09	0.031	0.020	125	3,000	M08	
MD70T**	2,000-2,500	70	1.4	10.22	1,000	200	12	100	2.5	150	1.93/210	0.85	3.50	0.39	0.20	125	3,000	M01	
MD90T**	2,000-2,500	90	1.5	11.25	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01	
MD110T**	2,000-2,500	110	1.6	13	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01	
MD135T**	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	0.08	125	3,000	M02	
MD160T**	2,000-2,500	160	4.2	88.2	1,000	200	30	150	2.5	150	1.90@480	0.85	1.53	0.17	0.08	125	3,000	M02	
MD182T**	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	0.08	125	3,000	M02	
MD200T**	2,000-2,500	200	8.0	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03	
MD250T**	2,000-2,500	250	9.0	405	1,000	200	35	180	2.5	150	1.73/750	0.85	0.80	0.12	0.040	125	3,000	M03	
MD300T**	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	
MD350T**	2,000-2,500	350	11.0	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.50	0.090	0.040	125	3,000	M05	
MD400T**	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	
MD500T**	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	
MD600T**	2,000-2,500	600	16.0	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	
MD800T**	2,000-2,500	800	22.0	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	
MD1000T**	2,000-2,500	1,000	28.0	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	
MD1200T**	2,000-2,500	1,200	34.0	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.08	0.031	0.030	125	3,000	M08	
MD200T**	2,600-3,600	200	8.0	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.120	0.040	125	4,000	M04	
MD250T**	2,600-3,600	250	9.0	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.110	0.040	125	4,000	M05	
MD300T**	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	
MD400T**	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	
MD500T**	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	25°C	25°C	25°C	25°C	125°C	per chip		°C/W		°C			
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω			°C	V(AC)		
MD400T**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	
MD600T**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	
MD1000T**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	
MD400T**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	
MD500T**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	
MD800T**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	
MD400T**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	
MD600T**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 Modules

Circuit configuration: Cathode 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		°C/W	°C			
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)		
MC70T**	800-1800	70	1.5	11	1,000	200	10	100	2.5	120	1.50/210	0.80	2.64	0.41	0.20	125	3,000	M01	
MC90T**	800-1,800	90	1.8	16	1,000	200	12	100	2.5	120	1.73/270	0.80	3.01	0.28	0.15	125	3,000	M01	
MC110T**	800-1,800	110	2.2	24	1,000	200	12	100	2.5	120	1.69/330	0.80	2.29	0.25	0.15	125	3,000	M01	
MC135T**	800-1,800	135	3.6	65	1,000	200	20	150	2.5	120	1.75/410	0.80	2.60	0.18	0.08	125	3,000	M02	
MC160T**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.80	1.69	0.17	0.08	125	3,000	M02	
MC182T**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.80	1.26	0.16	0.08	125	3,000	M02	
MC250T**	800-1,800	250	9.0	405	1,000	200	25	180	2.5	150	1.57/750	0.80	0.85	0.12	0.030	125	3,000	M03	
MC285T**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.80	0.42	0.12	0.030	125	3,000	M03	
MC300T**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.80	0.42	0.12	0.030	125	3,000	M03	
MC330T**	800-1,800	330	9.1	605	1,000	200	25	180	2.5	150	1.45/990	0.80	0.53	0.12	0.030	125	3,000	M03	
MC350T**	800-1,800	350	11.0	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	
MC400T**	800-1,800	400	14.5	326	1,000	200	35	200	3.0	200	1.52/1,200	0.80	0.34	0.065	0.024	125	3,000	M06	
MC500T**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.80	0.34	0.065	0.024	125	3,000	M06	
MC570T**	800-1,800	570	15.0	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.80	0.30	0.065	0.024	125	3,000	M06	
MC600T**	800-1,800	600	16.0	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.80	0.28	0.054	0.024	125	3,000	M07	
MC800T**	800-1,800	800	22.0	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.80	0.20	0.042	0.020	125	3,000	M07	
MC1000T**	800-1,800	1,000	28.0	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.80	0.15	0.034	0.020	125	3,000	M08	
MC1200T**	800-1,800	1,200	34.0	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.80	0.09	0.031	0.020	125	3,000	M08	
MC70T**	2,000-2,500	70	1.4	10.22	1,000	200	12	100	2.5	150	1.93/210	0.85	3.50	0.39	0.20	125	3,000	M01	
MC90T**	2,000-2,500	90	1.5	11.25	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01	
MC110T**	2,000-2,500	110	1.6	13	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01	
MC135T**	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	
MC160T**	2,000-2,500	160	4.2	88.2	1,000	200	30	150	2.5	150	1.90@480	0.85	1.53	0.17	0.080	125	3,000	M02	
MC182T**	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	
MC200T**	2,000-2,500	200	8.0	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03	
MC250T**	2,000-2,500	250	9.0	405	1,000	200	35	180	2.5	150	1.73/750	0.85	0.80	0.12	0.040	125	3,000	M03	
MC300T**	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	
MC350T**	2,000-2,500	350	11.0	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.50	0.09	0.040	125	3,000	M05	
MC400T**	2,000-2,500	400	12.5	781	1,000	200	45	200	3.0	200	1.92@1,500	0.83	0.42	0.08	0.040	125	3,000	M06	
MC500T**	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	0.06	0.040	125	3,000	M06	
MC600T**	2,000-2,500	600	16.0	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	
MC800T**	2,000-2,500	800	22.0	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	
MC1000T**	2,000-2,500	1,000	28.0	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	
MC1200T**	2,000-2,500	1,200	34.0	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.08	0.031	0.030	125	3,000	M08	
MC200T**	2,600-3,600	200	8.0	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04	
MC250T**	2,600-3,600	250	9.0	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05	
MC300T**	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	
MC400T**	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	
MC500T**	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.
	125°C	55°C	10ms		125°C		125°C	25°C		25°C	25°C	125°C	per chip		°C/W	°C			
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)		
MC400T**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	
MC600T**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	
MC1000T**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	
MC400T**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	
MC500T**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	
MC800T**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	
MC400T**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	
MC600T**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 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.
CONDITION	125°C	85°C	10ms		125°C		125°C	25°C			25°C	125°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W				
MR70T**	800-1,800	70	1.5	11	1,000	200	10	100	2.5	120	1.50/210	0.80	2.64	0.41	0.20	125	3,000	M01
MR90T**	800-1,800	90	1.8	16	1,000	200	12	100	2.5	120	1.73/270	0.80	3.01	0.28	0.15	125	3,000	M01
MR110T**	800-1,800	110	2.2	24	1,000	200	12	100	2.5	120	1.69/330	0.80	2.29	0.25	0.15	125	3,000	M01
MR135T**	800-1,800	135	3.6	65	1,000	200	20	150	2.5	120	1.75/410	0.80	2.60	0.18	0.080	125	3,000	M02
MR160T**	800-1,800	160	5.2	135	1,000	200	20	150	2.5	120	1.61/480	0.80	1.69	0.17	0.080	125	3,000	M02
MR182T**	800-1,800	182	5.4	146	1,000	200	20	150	2.5	120	1.62/550	0.80	1.26	0.16	0.080	125	3,000	M02
MR250T**	800-1,800	250	9.0	405	1,000	200	25	180	2.5	150	1.57/750	0.80	0.85	0.12	0.030	125	3,000	M03
MR285T**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.80	0.42	0.12	0.030	125	3,000	M03
MR300T**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.80	0.42	0.12	0.030	125	3,000	M03
MR330T**	800-1,800	330	9.1	605	1,000	200	25	180	2.5	150	1.45/990	0.80	0.53	0.12	0.030	125	3,000	M03
MR350T**	800-1,800	350	11.0	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
MR400T**	800-1,800	400	14.5	326	1,000	200	35	200	3.0	200	1.52/1,200	0.80	0.34	0.065	0.024	125	3,000	M06
MR500T**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.80	0.34	0.065	0.024	125	3,000	M06
MR570T**	800-1,800	570	15.0	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.80	0.30	0.065	0.024	125	3,000	M06
MR600T**	800-1,800	600	16.0	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.80	0.28	0.054	0.024	125	3,000	M07
MR800T**	800-1,800	800	22.0	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.80	0.20	0.042	0.020	125	3,000	M07
MR1000T**	800-1,800	1,000	28.0	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.80	0.15	0.034	0.020	125	3,000	M08
MR1200T**	800-1,800	1,200	34.0	5,780	1,000	200	55	200	3.0	200	1.60/3,000	0.80	0.09	0.031	0.020	125	3,000	M08
MR70T**	2,000-2,500	70	1.4	10.22	1,000	200	12	100	2.5	150	1.93/210	0.85	3.50	0.39	0.20	125	3,000	M01
MR90T**	2,000-2,500	90	1.5	11.25	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01
MR110T**	2,000-2,500	110	1.6	13	1,000	200	15	100	2.5	150	1.95/330	0.85	2.25	0.25	0.15	125	3,000	M01
MR135T**	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
MR160T**	2,000-2,500	160	4.2	88.2	1,000	200	30	150	2.5	150	1.90@480	0.85	1.53	0.17	0.080	125	3,000	M02
MR182T**	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
MR200T**	2,000-2,500	200	8.0	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03
MR250T**	2,000-2,500	250	9.0	405	1,000	200	35	180	2.5	150	1.73/750	0.85	0.80	0.12	0.040	125	3,000	M03
MR300T**	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
MR350T**	2,000-2,500	350	11.0	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.50	0.090	0.040	125	3,000	M05
MR400T**	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
MR500T**	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
MR600T**	2,000-2,500	600	16.0	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
MR800T**	2,000-2,500	800	22.0	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
MR1000T**	2,000-2,500	1,000	28.0	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
MR1200T**	2,000-2,500	1,200	34.0	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.08	0.031	0.030	125	3,000	M08
MR200T**	2,600-3,600	200	8.0	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04
MR250T**	2,600-3,600	250	9.0	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05
MR300T**	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
MR400T**	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
MR500T**	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	25°C			25°C	125°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA ² s	V/μs	A/μs	mA	mA	V	mA	V/A	V	m·Ω	°C/W				
MR400T**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	0.04	125	2,500	M13
MR600T**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	0.04	125	2,500	M14
MR1000T**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
MR400T**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
MR500T**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
MR800T**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
MR400T**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	0.004	125	4,000	M14
MR600T**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 Modules

Circuit configuration:Single

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	25°C		25°C		125°C	per chip			T _{Jm}	Viso	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		°C	V(AC)	Out Line No.
MH70T**	800-1,800	70	1.5	11.25	1,000	200	10	100	2.5	120	1.50/210	0.80	2.64	0.41	0.20	125	3,000	M01
MH90T**	800-1,800	90	1.8	16.2	1,000	200	12	100	2.5	120	1.73/270	0.80	3.01	0.28	0.15	125	3,000	M01
MH110T**	800-1,800	110	2.2	24.2	1,000	200	12	100	2.5	120	1.69/330	0.80	2.29	0.25	0.15	125	3,000	M01
MH135T**	800-1,800	135	3.6	65.0	1,000	200	20	150	2.5	120	1.75/410	0.80	2.60	0.18	0.060	125	3,000	M02
MH160T**	800-1,800	160	5.2	135.2	1,000	200	20	150	2.5	120	1.61/480	0.80	1.69	0.17	0.080	125	3,000	M02
MH182T**	800-1,800	182	5.4	145.8	1,000	200	20	150	2.5	120	1.62/550	0.80	1.26	0.16	0.080	125	3,000	M02
MH250T**	800-1,800	250	9.0	405	1,000	200	25	180	2.5	150	1.57/750	0.80	0.85	0.12	0.030	125	3,000	M03
MH285T**	800-1,800	285	9.1	414	1,000	200	25	180	2.5	150	1.45/860	0.80	0.42	0.12	0.030	125	3,000	M03
MH300T**	800-1,800	300	9.1	414	1,000	200	25	180	2.5	150	1.56/900	0.80	0.42	0.12	0.030	125	3,000	M03
MH330T**	800-1,800	330	9.1	414	1,000	200	25	180	2.5	150	1.45/990	0.80	0.53	0.12	0.030	125	3,000	M03
MH350T**	800-1,800	350	11.0	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
MH400T**	800-1,800	400	14.5	326	1,000	200	35	200	3.0	200	1.52/1,500	0.80	0.34	0.065	0.020	125	3,000	M06
MH500T**	800-1,800	500	14.5	1,051	1,000	200	35	200	3.0	200	1.44/1,500	0.80	0.34	0.065	0.024	125	3,000	M06
MH570T**	800-1,800	570	15.0	1,125	1,000	200	35	200	3.0	200	1.45/1,800	0.80	0.30	0.065	0.024	125	3,000	M06
MH600T**	800-1,800	600	16.0	1,280	1,000	200	45	200	3.0	200	1.45/1,800	0.80	0.28	0.054	0.024	125	3,000	M07
MH800T**	800-1,800	800	22.0	2,420	1,000	200	45	200	3.0	200	1.86/2,400	0.80	0.20	0.042	0.020	125	3,000	M07
MH1000T**	800-1,800	1,000	28.0	3,920	1,000	200	55	200	3.0	200	1.65/3,000	0.80	0.15	0.034	0.020	125	3,000	M08
MH1200T**	800-1,800	1,200	34.0	5,780	1,000	200	55	200	3.0	200	1.76/3,000	0.80	0.09	0.03	0.020	125	3,000	M08
MH26T**	1,900-2,500	26	0.5		1,000	200	10	150	2.5	150	1.80/80	0.85	9.68	0.95		125	3,000	
MH40T**	1,900-2,500	40	0.9		1,000	200	10	150	2.5	150	1.86/120	0.85	5.57	0.65		125	3,000	
MH55T**	1,900-2,500	55	1.2		1,000	200	10	100	2.5	150	1.98/160	0.85	4.80	0.49		125	3,000	
MH70T**	2,000-2,500	70	1.43	10.22	1,000	200	12	100	2.5	150	1.93/210	0.85	3.50	0.39	0.20	125	3,000	M01
MH90T**	2,000-2,500	90	1.5	11.25	1,000	200	15	100	2.5	150	1.93/270	0.85	3.26	0.28	0.15	125	3,000	M01
MH110T**	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
MH135T**	2,000-2,500	135	3.6	65.0	1,000	200	30	150	2.5	150	1.96/410	0.85	1.91	0.20	0.080	125	3,000	M02
MH160T**	2,000-2,500	160	4.2	88.2	1,000	200	30	150	2.5	150	1.90/480	0.85	1.53	0.17	0.080	125	3,000	M02
MH182T**	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
MH200T**	2,000-2,500	200	8.0	320	1,000	200	35	180	2.5	150	1.90/600	0.85	1.14	0.14	0.040	125	3,000	M03
MH250T**	2,000-2,500	250	9.0	405	1,000	200	30	180	2.5	150	1.73/750	0.85	0.80	0.12	0.040	125	3,000	M03
MH300T**	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
MH350T**	2,000-2,500	350	11.0	605	1,000	200	45	180	2.5	150	1.89/1,050	0.84	0.50	0.09	0.040	125	3,000	M05
MH400T**	2,000-2,500	400	12.5	781	1,000	200	45	200	3.0	200	1.92/1,500	0.83	0.42	0.08	0.040	125	3,000	M06
MH500T**	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	0.06	0.040	125	3,000	M06
MH600T**	2,000-2,500	600	16.0	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
MH800T**	2,000-2,500	800	22.0	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
MH1000T**	2,000-2,500	1,000	28.0	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
MH1200T**	2,000-2,500	1,200	34.0	5,780	1,000	200	60	200	3.0	200	2.00/3,000	0.85	0.08	0.031	0.030	125	3,000	M08
MH200T**	2,600-3,600	200	8.0	320	1,000	200	40	180	2.5	150	2.55/600	0.96	1.30	0.12	0.040	125	4,000	M04
MH250T**	2,600-3,600	250	9.0	405	1,000	200	55	180	2.5	150	2.63/750	0.91	0.90	0.11	0.040	125	4,000	M05
MH300T**	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
MH400T**	2,600-3,600	400	12.5	781.2	1,000	200	55	200	3.0	200	2.35/1,200	0.98	0.88	0.054	0.024	125	4,000	M07
MH500T**	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	25°C		25°C		125°C	per chip			T _{Jm}	Viso	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		°C	V(AC)	Out Line No.
Value																		
MH400T**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
MH600T**W	800-1,800	600	16.0	1,280	800	100	45	200	3.0	200	1.90/1,800	0.80	0.53	0.07	0.040	125	2,500	M14
MH1000T**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
MH400T**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
MH500T**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
MH800T**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
MH400T**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
MH600T**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