

# Diode Modules

Circuit Configuration:Half-Bridge

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	R <sub>th(j-c)</sub>	R <sub>th(c-f)</sub>	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	100°C	10ms		150°C	25°C	150°C	per chip			°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MD70D**	800-1,800	70	1.8	16.2	8	1.33/210	0.8	2.5	0.57	0.20	150	3,000	M01
MD90D**	800-1,800	90	2.3	26.0	8	1.38/270	0.8	1.7	0.47	0.20	150	3,000	M01
MD110D**	800-1,800	110	2.6	33.0	10	1.45/330	0.8	1.74	0.35	0.20	150	3,000	M01
MD135D**	800-1,800	135	3.9	76.00	12	1.38/410	0.8	1.18	0.31	0.080	150	3,000	M02
MD160D**	800-1,800	160	4.6	106	12	1.45/480	0.8	1.35	0.23	0.080	150	3,000	M02
MD182D**	800-1,800	182	6.4	205	12	1.43/550	0.8	0.96	0.22	0.080	150	3,000	M02
MD200D**	800-1,800	200	7.5	281	12	1.38/600	0.75	0.88	0.21	0.080	150	3,000	M02
MD250D**	800-1,800	250	9.5	361	20	1.35/750	0.75	0.76	0.14	0.040	150	3,000	M03
MD300D**	800-1,800	300	9.5	414	20	1.35/900	0.75	0.55	0.13	0.040	150	3,000	M03
MD380D**	800-1,800	380	9.5	451	20	1.40/1,100	0.72	0.4	0.12	0.040	150	3,000	M03
MD400D**	800-1,800	400	13.0	845	30	1.48/1,200	0.75	0.5	0.10	0.040	150	3,000	M05
MD500D**	800-1,800	500	16.0	1,280	30	1.32/1,500	0.75	0.3	0.090	0.024	150	3,000	M06
MD570D**	800-1,800	570	18.0	1,620	30	1.45/1,800	0.75	0.3	0.075	0.024	150	3,000	M06
MD600D**	800-1,800	600	19.0	1,805	30	1.50/1,800	0.75	0.35	0.065	0.024	150	3,000	M06
MD800D**	800-1,800	800	22.0	2,420	40	1.80/3,000	0.72	0.18	0.058	0.024	150	3,000	M07
MD1000D**	800-1,800	1,000	28.0	3,920	40	1.82/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MD1200D**	800-1,800	1,200	34.0	5,780	50	1.76/3,000	0.71	0.11	0.040	0.020	150	3,000	M08
MD70D**	2,000-2,500	70	1.8	16.2	8	1.50/210	0.85	2.73	0.55	0.20	150	3,000	M01
MD90D**	2,000-2,500	90	2.3	26.0	8	1.43/270	0.85	1.88	0.45	0.20	150	3,000	M01
MD110D**	2,000-2,500	110	2.6	33.8	8	1.55/330	0.85	1.8	0.33	0.20	150	3,000	M01
MD135D**	2,000-2,500	135	3.9	76.0	12	1.41/410	0.83	1.23	0.30	0.080	150	3,000	M02
MD160D**	2,000-2,500	160	4.6	105	12	1.47/480	0.84	1.31	0.23	0.080	150	3,000	M02
MD182D**	2,000-2,500	182	6.4	204	12	1.53/550	0.85	1.05	0.20	0.080	150	3,000	M02
MD200D**	2,000-2,500	200	7.5	281	12	1.48/600	0.82	0.96	0.18	0.080	150	3,000	M02
MD250D**	2,000-2,500	250	9.0	405	20	1.43/750	0.85	0.89	0.13	0.040	150	3,000	M03
MD300D**	2,000-2,500	300	10.0	500	20	1.45/900	0.8	0.5	0.12	0.040	150	3,000	M03
MD350D**	2,000-2,500	350	12.0	720	30	1.60/1,050	0.8	0.56	0.11	0.040	150	3,000	M05
MD400D**	2,000-2,500	400	13.0	845	30	1.55/1,200	0.85	0.49	0.090	0.040	150	3,000	M05
MD500D**	2,000-2,500	500	16.0	1,280	40	1.60/1,800	0.85	0.38	0.075	0.040	150	3,000	M06
MD570D**	2,000-2,500	570	18.0	1,620	40	1.48/1,800	0.75	0.3	0.075	0.034	150	3,000	M06
MD600D**	2,000-2,500	600	19.0	1,805	40	1.53/1,800	0.75	0.32	0.065	0.024	150	3,000	M06
MD800D**	2,000-2,500	800	22.0	2,420	45	1.95/3,000	0.7	0.2	0.058	0.024	150	3,000	M07
MD1000D**	2,000-2,500	1,000	28.0	3,920	45	1.90/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MD1200D**	2,000-2,500	1,200	34.0	5,780	50	1.85/3,000	0.7	0.1	0.042	0.020	150	3,000	M08
MD200D**	2,600-3,600	200	7.5	281	25	1.90/750	1.3	0.40	0.15	0.040	150	4,000	M04
MD250D**	2,600-3,600	250	9.5	451	25	1.83/750	0.95	0.87	0.13	0.030	150	4,000	M04
MD300D**	2,600-3,600	300	10.0	500	35	2.05/1,050	0.95	0.70	0.11	0.040	150	4,000	M05
MD350D**	2,600-3,600	350	11.0	605	35	1.95/1,050	0.95	0.40	0.11	0.040	150	4,000	M05
MD400D**	2,600-3,600	400	13.0	845	45	2.05/1,500	0.95	0.65	0.075	0.024	150	4,000	M06
MD500D**	2,600-3,600	500	15.0	1,125	50	1.95/1,500	0.95	0.31	0.075	0.024	150	4,000	M06
MD600D**	2,600-3,600	600	17.0	1,445	50	1.86/1,800	0.95	0.22	0.065	0.024	150	4,000	M07

Water Colling Type

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	R <sub>th(j-c)</sub>	R <sub>th(c-f)</sub>	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	60°C	10ms		150°C	25°C	150°C	per chip			°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MD400D**W	800-1,800	400	13.0	781	30	1.65/1,200	0.75	0.64	0.16	0.040	150	2,500	M13
MD600D**W	800-1,800	600	16.1	1,296	40	1.70/1,800	0.75	0.42	0.11	0.040	150	2,500	M14
MD1000D**W	800-1,800	1,000	24.0	2,880	40	1.82/3,000	0.75	0.25	0.065	0.018	150	2,500	M15
MD400D**W	2,000-2,500	400	11.0	605	30	1.88/1,200	0.85	0.69	0.14	0.040	150	3,000	M13
MD600D**W	2,000-2,500	600	12.5	781	40	1.84/1,800	0.85	0.44	0.10	0.040	150	3,000	M14
MD1000D**W	2,000-2,500	1,000	28.0	3,920	50	2.16/3,000	0.82	0.38	0.048	0.018	150	3,000	M15
MD400D**W	2,600-3,600	400	8.1	328	35	2.41/1,200	0.95	1.05	0.11	0.040	150	4,000	M14
MD600D**W	2,600-3,600	600	10.0	500	45	2.79/1,800	0.95	0.91	0.065	0.024	150	4,000	M15

## Diode Modules

Circuit Configuration: Cathode Common

ITEM	$V_{RRM}$	$I_F(AV)$	$I_{FSM}$	$I^2t$	$I_{RRM}$	$V_{FM}/I_{FM}$	$V_{FO}$	$r_F$	$R_{th(j-c)}$	$R_{th(c-f)}$	$T_{jm}$	Viso	Out Line No.
	150°C	100°C	10ms		150°C	25°C	150°C		per chip				
	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MC70D**	800-1800	70	1.8	16.2	8	1.33/210	0.8	2.5	0.57	0.20	150	3,000	M01
MC90D**	800-1800	90	2.3	26.0	8	1.38/270	0.8	1.7	0.47	0.20	150	3,000	M01
MC110D**	800-1800	110	2.6	33.0	10	1.45/330	0.8	1.74	0.35	0.20	150	3,000	M01
MC135D**	800-1,800	135	3.9	76.00	12	1.38/410	0.8	1.18	0.31	0.08	150	3,000	M02
MC160D**	800-1,800	160	4.6	106	12	1.45/480	0.8	1.35	0.23	0.08	150	3,000	M02
MC182D**	800-1,800	182	6.4	205	12	1.43/550	0.8	0.96	0.22	0.08	150	3,000	M02
MC200D**	800-1,800	200	7.5	281	12	1.38/600	0.75	0.88	0.21	0.08	150	3,000	M02
MC250D**	800-1,800	250	9.5	361	20	1.35/750	0.75	0.76	0.14	0.04	150	3,000	M03
MC300D**	800-1,800	300	9.5	414	20	1.35/900	0.75	0.55	0.13	0.04	150	3,000	M03
MC380D**	800-1,800	380	9.5	451	20	1.40/1,100	0.72	0.4	0.12	0.04	150	3,000	M03
MC400D**	800-1,800	400	13.0	845	30	1.48/1,200	0.75	0.5	0.10	0.04	150	3,000	M05
MC500D**	800-1,800	500	16.0	1,280	30	1.32/1,500	0.75	0.3	0.090	0.024	150	3,000	M06
MC570D**	800-1,800	570	18.0	1,620	30	1.45/1,800	0.75	0.3	0.075	0.024	150	3,000	M06
MC600D**	800-1,800	600	19.0	1,805	30	1.50/1,800	0.75	0.35	0.065	0.024	150	3,000	M06
MC800D**	800-1,800	800	22.0	2,420	40	1.80/3,000	0.72	0.18	0.058	0.024	150	3,000	M07
MC1000D**	800-1,800	1,000	28.0	3,920	40	1.82/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MC1200D**	800-1,800	1,200	34.0	5,780	50	1.76/3,000	0.71	0.11	0.040	0.020	150	3,000	M08
MC70D**	2,000-2,500	70	1.8	16.2	8	1.50/210	0.85	2.73	0.55	0.20	150	3,000	M01
MC90D**	2,000-2,500	90	2.3	26.0	8	1.43/270	0.85	1.88	0.45	0.20	150	3,000	M01
MC110D**	2,000-2,500	110	2.6	33.8	8	1.55/330	0.85	1.8	0.33	0.20	150	3,000	M01
MC135D**	2,000-2,500	135	3.9	76.0	12	1.41/410	0.83	1.23	0.30	0.080	150	3,000	M02
MC160D**	2,000-2,500	160	4.6	105	12	1.47/480	0.84	1.31	0.23	0.080	150	3,000	M02
MC182D**	2,000-2,500	182	6.4	204	12	1.53/550	0.85	1.05	0.20	0.080	150	3,000	M02
MC200D**	2,000-2,500	200	7.5	281	12	1.48/600	0.82	0.96	0.18	0.080	150	3,000	M02
MC250D**	2,000-2,500	250	9.0	405	20	1.43/750	0.85	0.89	0.13	0.040	150	3,000	M03
MC300D**	2,000-2,500	300	10.0	500	20	1.45/900	0.8	0.5	0.12	0.040	150	3,000	M03
MC350D**	2,000-2,500	350	12.0	720	30	1.60/1,050	0.8	0.56	0.11	0.040	150	3,000	M05
MC400D**	2,000-2,500	400	13.0	845	30	1.55/1,200	0.85	0.49	0.09	0.040	150	3,000	M05
MC500D**	2,000-2,500	500	16.0	1,280	40	1.60/1,800	0.85	0.38	0.075	0.040	150	3,000	M06
MC570D**	2,000-2,500	570	18.0	1,620	40	1.48/1,800	0.75	0.3	0.075	0.034	150	3,000	M06
MC600D**	2,000-2,500	600	19.0	1,805	40	1.53/1,800	0.75	0.32	0.065	0.024	150	3,000	M06
MC800D**	2,000-2,500	800	22.0	2,420	45	1.95/3,000	0.7	0.2	0.058	0.024	150	3,000	M07
MC1000D**	2,000-2,500	1,000	28.0	3,920	45	1.90/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MC1200D**	2,000-2,500	1,200	34.0	5,780	50	1.85/3,000	0.7	0.1	0.042	0.020	150	3,000	M08
MC200D**	2,600-3,600	200	7.5	281	25	1.90/750	1.3	0.40	0.15	0.040	150	4,000	M04
MC250D**	2,600-3,600	250	9.5	451	25	1.83/750	0.95	0.87	0.13	0.030	150	4,000	M04
MC300D**	2,600-3,600	300	10.0	500	35	2.05/1,050	0.95	0.70	0.11	0.040	150	4,000	M05
MC350D**	2,600-3,600	350	11.0	605	35	1.95/1,050	0.95	0.40	0.11	0.040	150	4,000	M05
MC400D**	2,600-3,600	400	13.0	845	45	2.05/1,500	0.95	0.65	0.075	0.024	150	4,000	M06
MC500D**	2,600-3,600	500	15.0	1,125	50	1.95/1,500	0.95	0.31	0.075	0.024	150	4,000	M06
MC600D**	2,600-3,600	600	17.0	1,445	50	1.86/1,800	0.95	0.22	0.065	0.024	150	4,000	M07

Water Colling

ITEM	$V_{RRM}$	$I_F(AV)$	$I_{FSM}$	$I^2t$	$I_{RRM}$	$V_{FM}/I_{FM}$	$V_{FO}$	$r_F$	$R_{th(j-c)}$	$R_{th(c-f)}$	$T_{jm}$	Viso	Out Line No.
	150°C	60°C	10ms		150°C	25°C	150°C		per chip				
	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MC400D**W	800-1,800	400	13.0	781	30	1.65/1,200	0.75	0.64	0.16	0.040	150	2,500	M13
MC600D**W	800-1,800	600	16.1	1,296	40	1.70/1,800	0.75	0.42	0.11	0.040	150	2,500	M14
MC1000D**W	800-1,800	1,000	24.0	2,880	40	1.82/3,000	0.75	0.25	0.065	0.018	150	2,500	M15
MC400D**W	2,000-2,500	400	11.0	605	30	1.88/1,200	0.85	0.69	0.14	0.040	150	3,000	M13
MC600D**W	2,000-2,500	600	12.5	781	40	1.84/1,800	0.85	0.44	0.10	0.040	150	3,000	M14
MC1000D**W	2,000-2,500	1,000	28.0	3,920	50	2.16/3,000	0.82	0.38	0.048	0.018	150	3,000	M15
MC400D**W	2,600-3,600	400	8.1	328	35	2.41/1,200	0.95	1.05	0.11	0.040	150	4,000	M14
MC600D**W	2,600-3,600	600	10.0	500	45	2.79/1,800	0.95	0.91	0.065	0.024	150	4,000	M15

# Diode Modules

Circuit Configuration: Anode Common

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	Rth(j-c)	Rth(c-f)	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	100°C	10ms		150°C	25°C	150°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MR70D**	800-1,800	70	1.8	16.2	8	1.33/210	0.8	2.5	0.57	0.20	150	3,000	M01
MR90D**	800-1,800	90	2.3	26.0	8	1.38/270	0.8	1.7	0.47	0.20	150	3,000	M01
MR110D**	800-1,800	110	2.6	33.0	10	1.45/330	0.8	1.74	0.35	0.20	150	3,000	M01
MR135D**	800-1,800	135	3.9	76.00	12	1.38/410	0.8	1.18	0.31	0.08	150	3,000	M02
MR160D**	800-1,800	160	4.6	106	12	1.45/480	0.8	1.35	0.23	0.08	150	3,000	M02
MR182D**	800-1,800	182	6.4	205	12	1.43/550	0.8	0.96	0.22	0.08	150	3,000	M02
MR200D**	800-1,800	200	7.5	281	12	1.38/600	0.75	0.88	0.21	0.08	150	3,000	M02
MR250D**	800-1,800	250	9.5	361	20	1.35/750	0.75	0.76	0.14	0.040	150	3,000	M03
MR300D**	800-1,800	300	9.5	414	20	1.35/900	0.75	0.55	0.13	0.040	150	3,000	M03
MR380D**	800-1,800	380	9.5	451	20	1.40/1,100	0.72	0.4	0.12	0.040	150	3,000	M03
MR400D**	800-1,800	400	13.0	845	30	1.48/1,200	0.75	0.5	0.10	0.040	150	3,000	M05
MR500D**	800-1,800	500	16.0	1,280	30	1.32/1,500	0.75	0.3	0.090	0.024	150	3,000	M06
MR570D**	800-1,800	570	18.0	1,620	30	1.45/1,800	0.75	0.3	0.075	0.024	150	3,000	M06
MR600D**	800-1,800	600	19.0	1,805	30	1.50/1,800	0.75	0.35	0.065	0.024	150	3,000	M06
MR800D**	800-1,800	800	22.0	2,420	40	1.80/3,000	0.72	0.18	0.058	0.024	150	3,000	M07
MR1000D**	800-1,800	1,000	28.0	3,920	40	1.82/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MR1200D**	800-1,800	1,200	34.0	5,780	50	1.76/3,000	0.71	0.11	0.040	0.020	150	3,000	M08
MR70D**	2,000-2,500	70	1.8	16.2	8	1.50/210	0.85	2.73	0.55	0.20	150	3,000	M01
MR90D**	2,000-2,500	90	2.3	26.0	8	1.43/270	0.85	1.88	0.45	0.20	150	3,000	M01
MR110D**	2,000-2,500	110	2.6	33.8	8	1.55/330	0.85	1.8	0.33	0.20	150	3,000	M01
MR135D**	2,000-2,500	135	3.9	76.0	12	1.41/410	0.83	1.23	0.30	0.080	150	3,000	M02
MR160D**	2,000-2,500	160	4.6	105	12	1.47/480	0.84	1.31	0.23	0.080	150	3,000	M02
MR182D**	2,000-2,500	182	6.4	204	12	1.53/550	0.85	1.05	0.20	0.080	150	3,000	M02
MR200D**	2,000-2,500	200	7.5	281	12	1.48/600	0.82	0.96	0.18	0.080	150	3,000	M02
MR250D**	2,000-2,500	250	9.0	405	20	1.43/750	0.85	0.89	0.13	0.040	150	3,000	M03
MR300D**	2,000-2,500	300	10.0	500	20	1.45/900	0.8	0.5	0.12	0.040	150	3,000	M03
MR350D**	2,000-2,500	350	12.0	720	30	1.60/1,050	0.8	0.56	0.11	0.040	150	3,000	M05
MR400D**	2,000-2,500	400	13.0	845	30	1.55/1,200	0.85	0.49	0.09	0.040	150	3,000	M05
MR500D**	2,000-2,500	500	16.0	1,280	40	1.60/1,800	0.85	0.38	0.075	0.040	150	3,000	M06
MR570D**	2,000-2,500	570	18.0	1,620	40	1.48/1,800	0.75	0.3	0.075	0.034	150	3,000	M06
MR600D**	2,000-2,500	600	19.0	1,805	40	1.53/1,800	0.75	0.32	0.065	0.024	150	3,000	M06
MR800D**	2,000-2,500	800	22.0	2,420	45	1.95/3,000	0.7	0.2	0.058	0.024	150	3,000	M07
MR1000D**	2,000-2,500	1,000	28.0	3,920	45	1.90/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MR1200D**	2,000-2,500	1,200	34.0	5,780	50	1.85/3,000	0.7	0.1	0.042	0.020	150	3,000	M08
MR200D**	2,600-3,600	200	7.5	281	25	1.90/750	1.3	0.40	0.15	0.040	150	4,000	M04
MR250D**	2,600-3,600	250	9.5	451	25	1.83/750	0.95	0.87	0.13	0.030	150	4,000	M04
MR300D**	2,600-3,600	300	10.0	500	35	2.05/1,050	0.95	0.70	0.11	0.040	150	4,000	M05
MR350D**	2,600-3,600	350	11.0	605	35	1.95/1,050	0.95	0.40	0.11	0.040	150	4,000	M05
MR400D**	2,600-3,600	400	13.0	845	45	2.05/1,500	0.95	0.65	0.075	0.024	150	4,000	M06
MR500D**	2,600-3,600	500	15.0	1,125	50	1.95/1,500	0.95	0.31	0.075	0.024	150	4,000	M06
MR600D**	2,600-3,600	600	17.0	1,445	50	1.86/1,800	0.95	0.22	0.065	0.024	150	4,000	M07

Water Colling Type

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	Rth(j-c)	Rth(c-f)	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	60°C	10ms		150°C	25°C	150°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MR400D**W	800-1,800	400	13.0	781	30	1.65/1,200	0.75	0.64	0.16	0.040	150	2,500	M13
MR600D**W	800-1,800	600	16.1	1,296	40	1.70/1,800	0.75	0.42	0.11	0.040	150	2,500	M14
MR1000D**W	800-1,800	1,000	24.0	2,880	40	1.82/3,000	0.75	0.25	0.065	0.018	150	2,500	M15
MR400D**W	2,000-2,500	400	11.0	605	30	1.88/1,200	0.85	0.69	0.14	0.040	150	3,000	M13
MR600D**W	2,000-2,500	600	12.5	781	40	1.84/1,800	0.85	0.44	0.10	0.040	150	3,000	M14
MR1000D**W	2,000-2,500	1,000	28.0	3,920	50	2.16/3,000	0.82	0.38	0.048	0.018	150	3,000	M15
MR400D**W	2,600-3,600	400	8.1	328	35	2.41/1,200	0.95	1.05	0.11	0.040	150	4,000	M14
MR600D**W	2,600-3,600	600	10.0	500	45	2.79/1,800	0.95	0.91	0.065	0.024	150	4,000	M15

# Diode Modules

Circuit Configuration:Single

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	R <sub>th(j-c)</sub>	R <sub>th(c-f)</sub>	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	100°C	10ms		150°C	25°C	150°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MH70D**	800-1,800	70	1.8	16.2	8	1.33/210	0.8	2.50	0.57	0.20	150	3,000	M01
MH90D**	800-1,800	90	2.3	26.0	8	1.38/270	0.8	1.70	0.47	0.20	150	3,000	M01
MH110D**	800-1,800	110	2.6	33.0	10	1.45/330	0.8	1.74	0.35	0.20	150	3,000	M01
MH135D**	800-1,800	135	3.9	76.0	12	1.38/410	0.8	1.18	0.31	0.080	150	3,000	M02
MH160D**	800-1,800	160	4.6	106	12	1.45/480	0.8	1.35	0.23	0.080	150	3,000	M02
MH182D**	800-1,800	182	6.4	205	12	1.43/550	0.8	0.96	0.22	0.080	150	3,000	M02
MH200D**	800-1,800	200	7.5	281	12	1.38/600	0.75	0.88	0.21	0.080	150	3,000	M02
MH250D**	800-1,800	250	9.5	451	20	1.35/750	0.75	0.76	0.14	0.040	150	3,000	M03
MH300D**	800-1,800	300	9.5	451	20	1.35/900	0.75	0.55	0.13	0.040	150	3,000	M03
MH380D**	800-1,800	380	9.5	451	20	1.40/1,100	0.72	0.40	0.12	0.040	150	3,000	M03
MH400D**	800-1,800	400	13.0	845	30	1.48/1,200	0.75	0.50	0.10	0.040	150	3,000	M05
MH500D**	800-1,800	500	16.0	1,280	30	1.32/1,500	0.75	0.30	0.090	0.024	150	3,000	M06
MH570D**	800-1,800	570	18.0	1,620	30	1.45/1,800	0.75	0.30	0.075	0.024	150	3,000	M06
MH600D**	800-1,800	600	19.0	1,805	30	1.50/1,800	0.75	0.35	0.065	0.024	150	3,000	M06
MH800D**	800-1,800	800	22.0	2,420	40	1.80/3,000	0.72	0.18	0.058	0.024	150	3,000	M07
MH1000D**	800-1,800	1,000	28.0	3,920	40	1.82/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MH1200D**	800-1,800	1,200	34.0	5,780	50	1.76/3,000	0.71	0.11	0.040	0.020	150	3,000	M08
MH70D**	2,000-2,500	70	1.8	16.2	8	1.50/210	0.85	2.73	0.55	0.20	150	3,000	M01
MH90D**	2,000-2,500	90	2.3	26.0	8	1.43/270	0.85	1.88	0.45	0.20	150	3,000	M01
MH110D**	2,000-2,500	110	2.6	33.8	8	1.55/330	0.85	1.8	0.33	0.20	150	3,000	M01
MH135D**	2,000-2,500	135	3.9	76.0	12	1.41/410	0.83	1.23	0.30	0.080	150	3,000	M02
MH160D**	2,000-2,500	160	4.6	105	12	1.47/480	0.84	1.31	0.23	0.080	150	3,000	M02
MH182D**	2,000-2,500	182	6.4	204	12	1.53/550	0.85	1.05	0.20	0.080	150	3,000	M02
MH200D**	2,000-2,500	200	7.5	281	12	1.48/600	0.82	0.96	0.18	0.080	150	3,000	M02
MH250D**	2,000-2,500	250	9.0	405	20	1.43/750	0.85	0.89	0.13	0.040	150	3,000	M03
MH300D**	2,000-2,500	300	10.0	500	20	1.45/900	0.8	0.5	0.13	0.040	150	3,000	M03
MH350D**	2,000-2,500	350	12.0	720	30	1.60/1,200	0.8	0.56	0.11	0.040	150	3,000	M05
MH400D**	2,000-2,500	400	13.0	845	30	1.55/1,200	0.85	0.49	0.090	0.040	150	3,000	M05
MH500D**	2,000-2,500	500	16.0	1,280	40	1.60/1,800	0.85	0.38	0.075	0.040	150	3,000	M06
MH570D**	2,000-2,500	570	18.0	1,620	40	1.48/1,800	0.75	0.3	0.075	0.034	150	3,000	M06
MH600D**	2,000-2,500	600	19.0	1,805	40	1.53/1,800	0.75	0.32	0.065	0.024	150	3,000	M06
MH800D**	2,000-2,500	800	22.0	2,420	45	1.95/3,000	0.7	0.2	0.058	0.024	150	3,000	M07
MH1000D**	2,000-2,500	1,000	28.0	3,920	45	1.90/3,000	0.71	0.1	0.052	0.020	150	3,000	M07
MH1200D**	2,000-2,500	1,200	34.0	5,780	50	1.85/3,000	0.7	0.1	0.042	0.020	150	3,000	M08
MH200D**	2,600-3,600	200	7.5	281	25	1.90/750	0.95	1.40	0.15	0.040	150	4,000	M04
MH250D**	2,600-3,600	250	9.5	451	25	1.83/750	0.95	0.87	0.13	0.030	150	4,000	M04
MH300D**	2,600-3,600	300	10.0	500	35	2.05/1,050	0.95	0.70	0.11	0.040	150	4,000	M05
MH350D**	2,600-3,600	350	11.0	605	35	1.95/1,050	0.95	0.40	0.11	0.040	150	4,000	M05
MH400D**	2,600-3,600	400	13.0	845	45	2.05/1,500	0.95	0.72	0.075	0.024	150	4,000	M06
MH500D**	2,600-3,600	500	15.0	1,125	50	1.96/1,800	0.95	0.31	0.075	0.024	150	4,000	M06
MH600D**	2,600-3,600	600	17.0	1,445	50	1.86/1,800	0.95	0.22	0.065	0.024	150	4,000	M07

Water Colling Type

ITEM	V <sub>RRM</sub>	I <sub>F(AV)</sub>	I <sub>FSM</sub>	I <sup>2</sup> t	I <sub>RRM</sub>	V <sub>FM</sub> /I <sub>FM</sub>	V <sub>FO</sub>	r <sub>F</sub>	R <sub>th(j-c)</sub>	R <sub>th(c-f)</sub>	T <sub>jm</sub>	Viso	Out Line No.
CONDITION	150°C	60°C	10ms		150°C	25°C	150°C		per chip		°C	V(AC)	
UNIT	V	A	kA	kA <sup>2</sup> s	mA	V/A	V	m·Ω	°C/W				
MH400D**W	800-1,800	400	13.0	781	30	1.65/1,200	0.75	0.64	0.16	0.040	150	2,500	M13
MH600D**W	800-1,800	600	16.1	1,296	40	1.70/1,800	0.75	0.42	0.11	0.040	150	2,500	M14
MH1000D**W	800-1,800	1,000	24.0	2,880	40	1.82/3,000	0.75	0.25	0.065	0.018	150	2,500	M15
MH400D**W	2,000-2,500	400	11.0	605	30	1.88/1,200	0.85	0.69	0.14	0.040	150	3,000	M13
MH600D**W	2,000-2,500	600	12.5	781	40	1.84/1,800	0.85	0.44	0.10	0.040	150	3,000	M14
MH1000D**W	2,000-2,500	1,000	28.0	3,920	50	2.16/3,000	0.82	0.38	0.048	0.018	150	3,000	M15
MH400D**W	2,600-3,600	400	8.1	328	35	2.41/1,200	0.95	1.05	0.11	0.040	150	4,000	M14
MH600D**W	2,600-3,600	600	10.0	500	45	2.79/1,800	0.95	0.91	0.065	0.024	150	4,000	M15