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каталог, описание, технические, характеристики, datasheet, параметры, маркировка, габариты, фото, даташит, МОДУЛЬ , Диодный мост, однофазный, трёхфазный, трехфазный, igbt, модуль

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Каталог МОДУЛЬ

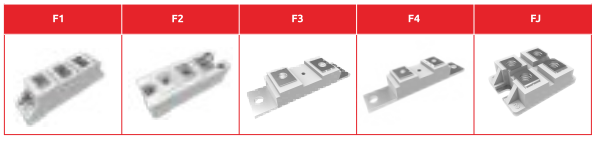
Модуль купить в Беларуси

INDEX

Micro Commercial Components

FRED Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Reverse Recovery Time	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	T_{RR} (ns)	
MF100C06F1	F1	600	100	1300	1.40	100	50	Fig.1
MF150C06F2	F2	600	150	1400	1.60	150	130	Fig.1
MF200K06F2	F2	600	200	2000	1.60	200	140	Fig.4
MF100U12F2	F2	1200	100	1100	1.58	100	55	Fig.2
MF200C12F2	F2	1200	200	1800	2.8	200	110	Fig.1
MF300C12F2	F2	1200	300	2700	3.0	300	135	Fig.1
MF300U12F2	F2	1200	300	2500	2.70	300	150	Fig.2
MF200K04F3	F3	400	200	1500	1.35	100	95	Fig.3
MF300K04F3	F3	400	300	2700	1.05	150	90	Fig.3
MF400K04F3	F3	400	400	4000	1.35	200	135	Fig.3
MF200K06F3	F3	600	200	2100	1.15	100	105	Fig.3
MF300K06F3	F3	600	300	3500	1.40	150	130	Fig.3
MF400K06F3	F3	600	400	3500	1.25	200	130	Fig.3
MF200K04F4	F4	400	200	1500	1.35	100	95	Fig.3
MF200K06F4	F4	600	200	2100	1.15	100	105	Fig.3
MF200DU06FJ	FJ	600	200	1300	1.30	100	105	Fig.5
MF200DU12FJ	FJ	1200	200	1450	1.60	100	135	Fig.5



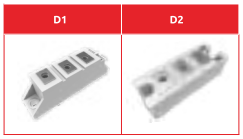
Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD100A08D1	D1	800	100	2500	1.40	300	5.0	Fig.10
MD100A12D1	D1	1200	100	2500	1.40	300	5.0	Fig.10
MD100A16D1	D1	1600	100	2500	1.40	300	5.0	Fig.10
MD100A18D1	D1	1800	100	2500	1.40	300	5.0	Fig.10
MD100C08D1	D1	800	100	2500	1.40	300	5.0	Fig.1
MD100C12D1	D1	1200	100	2500	1.40	300	5.0	Fig.1
MD100C16D1	D1	1600	100	2500	1.40	300	5.0	Fig.1
MD100C18D1	D1	1800	100	2500	1.40	300	5.0	Fig.1
MD100K08D1	D1	800	100	2500	1.40	300	5.0	Fig.4
MD100K12D1	D1	1200	100	2500	1.40	300	5.0	Fig.4
MD100K16D1	D1	1600	100	2500	1.40	300	5.0	Fig.4
MD100K18D1	D1	1800	100	2500	1.40	300	5.0	Fig.4
MD120A08D1	D1	800	120	2800	1.35	300	6.0	Fig.10
MD120A12D1	D1	1200	120	2800	1.35	300	6.0	Fig.10
MD120A16D1	D1	1600	120	2800	1.35	300	6.0	Fig.10
MD120A18D1	D1	1800	120	2800	1.35	300	6.0	Fig.10
MD120C08D1	D1	800	120	2800	1.35	300	6.0	Fig.1
MD120C12D1	D1	1200	120	2800	1.35	300	6.0	Fig.1
MD120C16D1	D1	1600	120	2800	1.35	300	6.0	Fig.1
MD120C18D1	D1	1800	120	2800	1.35	300	6.0	Fig.1
MD120K08D1	D1	800	120	2800	1.35	300	6.0	Fig.4
MD120K12D1	D1	1200	120	2800	1.35	300	6.0	Fig.4
MD120K16D1	D1	1600	120	2800	1.35	300	6.0	Fig.4
MD120K18D1	D1	1800	120	2800	1.35	300	6.0	Fig.4
MD36A08D1	D1	800	36	650	1.40	100	5.0	Fig.10
MD36A12D1	D1	1200	36	650	1.40	100	5.0	Fig.10
MD36A16D1	D1	1600	36	650	1.40	100	5.0	Fig.10
MD36A18D1	D1	1800	36	650	1.40	100	5.0	Fig.10
MD36C08D1	D1	800	36	650	1.40	100	5.0	Fig.1
MD36C12D1	D1	1200	36	650	1.40	100	5.0	Fig.1
MD36C16D1	D1	1600	36	650	1.40	100	5.0	Fig.1
MD36C18D1	D1	1800	36	650	1.40	100	5.0	Fig.1
MD36K08D1	D1	800	36	650	1.40	100	5.0	Fig.4
MD36K12D1	D1	1200	36	650	1.40	100	5.0	Fig.4

D1

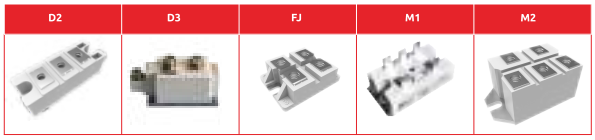
Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD36K16D1	D1	1600	36	650	1.40	100	5.0	Fig.4
MD36K18D1	D1	1800	36	650	1.40	100	5.0	Fig.4
MD60A08D1	D1	800	60	1150	1.45	200	5.0	Fig.10
MD60A12D1	D1	1200	60	1150	1.45	200	5.0	Fig.10
MD60A16D1	D1	1600	60	1150	1.45	200	5.0	Fig.10
MD60A18D1	D1	1800	60	1150	1.45	200	5.0	Fig.10
MD60C08D1	D1	800	60	1150	1.45	200	5.0	Fig.1
MD60C12D1	D1	1200	60	1150	1.45	200	5.0	Fig.1
MD60C16D1	D1	1600	60	1150	1.45	200	5.0	Fig.1
MD60C18D1	D1	1800	60	1150	1.45	200	5.0	Fig.1
MD60K08D1	D1	800	60	1150	1.45	200	5.0	Fig.4
MD60K12D1	D1	1200	60	1150	1.45	200	5.0	Fig.4
MD60K16D1	D1	1600	60	1150	1.45	200	5.0	Fig.4
MD60K18D1	D1	1800	60	1150	1.45	200	5.0	Fig.4
MD70A08D1	D1	800	70	1400	1.30	200	5.0	Fig.10
MD70A12D1	D1	1200	70	1400	1.30	200	5.0	Fig.10
MD70A16D1	D1	1600	70	1400	1.30	200	5.0	Fig.10
MD70A18D1	D1	1800	70	1400	1.30	200	5.0	Fig.10
MD70C08D1	D1	800	70	1400	1.30	200	5.0	Fig.1
MD70C12D1	D1	1200	70	1400	1.30	200	5.0	Fig.1
MD70C16D1	D1	1600	70	1400	1.30	200	5.0	Fig.1
MD70C18D1	D1	1800	70	1400	1.30	200	5.0	Fig.1
MD70K08D1	D1	800	70	1400	1.30	200	5.0	Fig.4
MD70K12D1	D1	1200	70	1400	1.30	200	5.0	Fig.4
MD70K16D1	D1	1600	70	1400	1.30	200	5.0	Fig.4
MD70K18D1	D1	1800	70	1400	1.30	200	5.0	Fig.4
MD165A08D2	D2	800	165	6000	1.40	300	9.0	Fig.10
MD165A12D2	D2	1200	165	6000	1.40	300	9.0	Fig.10
MD165A16D2	D2	1600	165	6000	1.40	300	9.0	Fig.10
MD165A18D2	D2	1800	165	6000	1.40	300	9.0	Fig.10
MD165C08D2	D2	800	165	6000	1.40	300	9.0	Fig.1
MD165C12D2	D2	1200	165	6000	1.40	300	9.0	Fig.1
MD165C16D2	D2	1600	165	6000	1.40	300	9.0	Fig.1
MD165C18D2	D2	1800	165	6000	1.40	300	9.0	Fig.1



Standard Recovery Power Modules

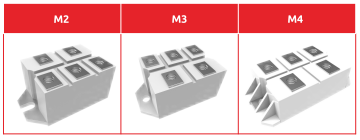
Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD165K08D2	D2	800	165	6000	1.40	300	9.0	Fig.4
MD165K12D2	D2	1200	165	6000	1.40	300	9.0	Fig.4
MD165K16D2	D2	1600	165	6000	1.40	300	9.0	Fig.4
MD165K18D2	D2	1800	165	6000	1.40	300	9.0	Fig.4
MD200A08D2	D2	800	200	6800	1.30	300	9.0	Fig.10
MD200A12D2	D2	1200	200	6800	1.30	300	9.0	Fig.10
MD200A16D2	D2	1600	200	6800	1.30	300	9.0	Fig.10
MD200A18D2	D2	1800	200	6800	1.30	300	9.0	Fig.10
MD200C08D2	D2	800	200	6800	1.30	300	9.0	Fig.1
MD200C12D2	D2	1200	200	6800	1.30	300	9.0	Fig.1
MD200C16D2	D2	1600	200	6800	1.30	300	9.0	Fig.1
MD200C18D2	D2	1800	200	6800	1.30	300	9.0	Fig.1
MD200K08D2	D2	800	200	6800	1.30	300	9.0	Fig.4
MD200K12D2	D2	1200	200	6800	1.30	300	9.0	Fig.4
MD200K16D2	D2	1600	200	6800	1.30	300	9.0	Fig.4
MD200K18D2	D2	1800	200	6800	1.30	300	9.0	Fig.4
MD240C08D2	D2	800	240	7550	1.25	300	9.0	Fig.1
MD240C12D2	D2	1200	240	7550	1.25	300	9.0	Fig.1
MD240C16D2	D2	1600	240	7550	1.25	300	9.0	Fig.1
MD240C18D2	D2	1800	240	7550	1.25	300	9.0	Fig.1
MD350C08D3	D3	800	350	8400	1.7	1050	-	Fig.1
MD350C12D3	D3	1200	350	8400	1.7	1050	-	Fig.1
MD350C16D3	D3	1600	350	8400	1.7	1050	-	Fig.1
MD350C18D3	D3	1800	350	8400	1.7	1050	-	Fig.1
MD50H08FJ	FJ	800	50	650	1.4	100	1.0	Fig.13
MD50H12FJ	FJ	1200	50	650	1.4	100	1.0	Fig.13
MD50H16FJ	FJ	1600	50	650	1.4	100	1.0	Fig.13
MD50H18FJ	FJ	1800	50	650	1.4	100	1.0	Fig.13
MSD5016	M1	1600	50	460	1.5	150	0.2	Fig.12
MD100S08M2	M2	800	100	920	1.90	150	0.3	Fig.11
MD100S12M2	M2	1200	100	920	1.90	150	0.3	Fig.11
MD100S16M2	M2	1600	100	920	1.90	150	0.3	Fig.11
MD100S18M2	M2	1800	100	920	1.90	150	0.3	Fig.11
MD60S08M2	M2	800	60	460	1.80	150	0.3	Fig.11



Micro Commercial Components

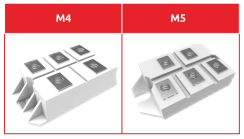
Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD60S12M2	M2	1200	60	460	1.80	150	0.3	Fig.11
MD60S16M2	M2	1600	60	460	1.80	150	0.3	Fig.11
MD60S18M2	M2	1800	60	460	1.80	150	0.3	Fig.11
MD75S08M2	M2	800	75	750	1.60	150	0.3	Fig.11
MD75S12M2	M2	1200	75	750	1.60	150	0.3	Fig.11
MD75S16M2	M2	1600	75	750	1.60	150	0.3	Fig.11
MD75S18M2	M2	1800	75	750	1.60	150	0.3	Fig.11
MD100S08M3	M3	800	100	920	1.90	300	0.3	Fig.11
MD100S12M3	M3	1200	100	920	1.90	300	0.3	Fig.11
MD100S16M3	M3	1600	100	920	1.90	300	0.3	Fig.11
MD100S18M3	M3	1800	100	920	1.90	300	0.3	Fig.11
MD130S08M3	M3	800	130	1200	1.80	300	0.3	Fig.11
MD130S12M3	M3	1200	130	1200	1.80	300	0.3	Fig.11
MD130S16M3	M3	1600	130	1200	1.80	300	0.3	Fig.11
MD130S18M3	M3	1800	130	1200	1.80	300	0.3	Fig.11
MD160S08M3	M3	800	160	1800	1.75	300	0.5	Fig.11
MD160S12M3	M3	1200	160	1800	1.75	300	0.5	Fig.11
MD160S16M3	M3	1600	160	1800	1.75	300	0.5	Fig.11
MD160S18M3	M3	1800	160	1800	1.75	300	0.5	Fig.11
MD200S08M3	M3	800	200	2240	1.70	300	0.5	Fig.11
MD200S12M3	M3	1200	200	2240	1.70	300	0.5	Fig.11
MD200S16M3	M3	1600	200	2240	1.70	300	0.5	Fig.11
MD200S18M3	M3	1800	200	2240	1.70	300	0.5	Fig.11
MD200S20M3	M3	2000	200	2240	1.70	300	0.5	Fig.11
MD250S08M3	M3	800	250	2500	1.60	300	0.5	Fig.11
MD250S12M3	M3	1200	250	2500	1.60	300	0.5	Fig.11
MD250S16M3	M3	1600	250	2500	1.60	300	0.5	Fig.11
MD250S18M3	M3	1800	250	2500	1.60	300	0.5	Fig.11
MD250S20M3	M3	2000	250	2500	1.60	300	0.5	Fig.11
MD100S08M4	M4	800	100	920	1.90	300	0.3	Fig.11
MD100S12M4	M4	1200	100	920	1.90	300	0.3	Fig.11
MD100S16M4	M4	1600	100	920	1.90	300	0.3	Fig.11
MD100S18M4	M4	1800	100	920	1.90	300	0.3	Fig.11
MD50S08M4	M4	800	50	460	1.70	150	0.3	Fig.11



Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD50S12M4	M4	1200	50	460	1.70	150	0.3	Fig.11
MD50S16M4	M4	1600	50	460	1.70	150	0.3	Fig.11
MD50S18M4	M4	1800	50	460	1.70	150	0.3	Fig.11
MD75S08M4	M4	800	75	750	1.50	150	0.3	Fig.11
MD75S12M4	M4	1200	75	750	1.50	150	0.3	Fig.11
MD75S16M4	M4	1600	75	750	1.50	150	0.3	Fig.11
MD75S18M4	M4	1800	75	750	1.50	150	0.3	Fig.11
MD100S08M5	M5	800	100	920	1.90	300	0.3	Fig.11
MD100S12M5	M5	1200	100	920	1.90	300	0.3	Fig.11
MD100S16M5	M5	1600	100	920	1.90	300	0.3	Fig.11
MD100S18M5	M5	1800	100	920	1.90	300	0.3	Fig.11
MD130S08M5	M5	800	130	1200	1.80	300	0.3	Fig.11
MD130S12M5	M5	1200	130	1200	1.80	300	0.3	Fig.11
MD130S16M5	M5	1600	130	1200	1.80	300	0.3	Fig.11
MD130S18M5	M5	1800	130	1200	1.80	300	0.3	Fig.11
MD160S08M5	M5	800	160	1800	1.75	300	0.5	Fig.11
MD160S12M5	M5	1200	160	1800	1.75	300	0.5	Fig.11
MD160S16M5	M5	1600	160	1800	1.75	300	0.5	Fig.11
MD160S18M5	M5	1800	160	1800	1.75	300	0.5	Fig.11
MD200S08M5	M5	800	200	2240	1.70	300	0.5	Fig.11
MD200S12M5	M5	1200	200	2240	1.70	300	0.5	Fig.11
MD200S16M5	M5	1600	200	2240	1.70	300	0.5	Fig.11
MD200S18M5	M5	1800	200	2240	1.70	300	0.5	Fig.11
MD250S08M5	M5	800	250	2500	1.60	300	0.5	Fig.11
MD250S12M5	M5	1200	250	2500	1.60	300	0.5	Fig.11
MD250S16M5	M5	1600	250	2500	1.60	300	0.5	Fig.11
MD250S18M5	M5	1800	250	2500	1.60	300	0.5	Fig.11

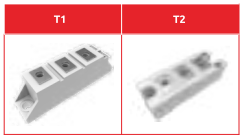


Thyristor Modules

Part Number	Package	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage	Internal Diagram
		V_{RRM} (V)	I_T (A)	V_{GT} (V)	I_{GT} (mA)	V_{TM} (V)	
MT110C12T1	T1	1200	110	3.0	150	1.65	Fig.6
MT110C16T1	T1	1600	110	3.0	150	1.65	Fig.6
MT110C18T1	T1	1800	110	3.0	150	1.65	Fig.6
MT110CB08T1	T1	800	110	3.0	150	1.65	Fig.7
MT110CB12T1	T1	1200	110	3.0	150	1.65	Fig.7
MT110CB16T1	T1	1600	110	3.0	150	1.65	Fig.7
MT110CB18T1	T1	1800	110	3.0	150	1.65	Fig.7
MT25C08T1	T1	800	25	2.5	150	1.80	Fig.6
MT25C12T1	T1	1200	25	2.5	150	1.80	Fig.6
MT25C16T1	T1	1600	25	2.5	150	1.80	Fig.6
MT25C18T1	T1	1800	25	2.5	150	1.80	Fig.6
MT25CB08T1	T1	800	25	2.5	150	1.80	Fig.7
MT25CB12T1	T1	1200	25	2.5	150	1.80	Fig.7
MT25CB16T1	T1	1600	25	2.5	150	1.80	Fig.7
MT25CB18T1	T1	1800	25	2.5	150	1.80	Fig.7
MT40C08T1	T1	800	40	2.5	150	1.95	Fig.6
MT40C12T1	T1	1200	40	2.5	150	1.95	Fig.6
MT40C16T1	T1	1600	40	2.5	150	1.95	Fig.6
MT40C18T1	T1	1800	40	2.5	150	1.95	Fig.6
MT40CB08T1	T1	800	40	2.5	150	1.95	Fig.7
MT40CB12T1	T1	1200	40	2.5	150	1.95	Fig.7
MT40CB16T1	T1	1600	40	2.5	150	1.95	Fig.7
MT40CB18T1	T1	1800	40	2.5	150	1.95	Fig.7
MT60C08T1	T1	800	60	3.0	150	1.65	Fig.6
MT60C12T1	T1	1200	60	3.0	150	1.65	Fig.6
MT60C16T1	T1	1600	60	3.0	150	1.65	Fig.6
MT60C18T1	T1	1800	60	3.0	150	1.65	Fig.6
MT60CB08T1	T1	800	60	3.0	150	1.65	Fig.7
MT60CB12T1	T1	1200	60	3.0	150	1.65	Fig.7
MT60CB16T1	T1	1600	60	3.0	150	1.65	Fig.7
MT60CB18T1	T1	1800	60	3.0	150	1.65	Fig.7
MT90C08T1	T1	800	90	3.0	150	1.65	Fig.6
MT90C12T1	T1	1200	90	3.0	150	1.65	Fig.6
MT90C16T1	T1	1600	90	3.0	150	1.65	Fig.6

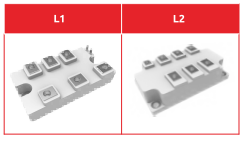
Thyristor Modules

Part Number	Package	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage	Internal Diagram
		V_{RRM} (V)	I_T (A)	V_{GT} (V)	I_{GT} (mA)	V_{TM} (V)	
MT90C18T1	T1	1800	90	3.0	150	1.65	Fig.6
MT90CB08T1	T1	800	90	3.0	150	1.65	Fig.7
MT90CB12T1	T1	1200	90	3.0	150	1.65	Fig.7
MT90CB16T1	T1	1600	90	3.0	150	1.65	Fig.7
MT90CB18T1	T1	1800	90	3.0	150	1.65	Fig.7
MT130C08T2	T2	800	130	3.0	150	1.80	Fig.6
MT130C12T2	T2	1200	130	3.0	150	1.80	Fig.6
MT130C16T2	T2	1600	130	3.0	150	1.80	Fig.6
MT130C18T2	T2	1800	130	3.0	150	1.80	Fig.6
MT130CB08T2	T2	800	130	3.0	150	1.80	Fig.7
MT130CB12T2	T2	1200	130	3.0	150	1.80	Fig.7
MT130CB16T2	T2	1600	130	3.0	150	1.80	Fig.7
MT130CB18T2	T2	1800	130	3.0	150	1.80	Fig.7
MT160C08T2	T2	800	160	3.0	150	1.70	Fig.6
MT160C12T2	T2	1200	160	3.0	150	1.70	Fig.6
MT160C16T2	T2	1600	160	3.0	150	1.70	Fig.6
MT160C18T2	T2	1800	160	3.0	150	1.70	Fig.6
MT160CB08T2	T2	800	160	3.0	150	1.70	Fig.7
MT160CB12T2	T2	1200	160	3.0	150	1.70	Fig.7
MT160CB16T2	T2	1600	160	3.0	150	1.70	Fig.7
MT160CB18T2	T2	1800	160	3.0	150	1.70	Fig.7
MT200C08T2	T2	800	200	3.0	200	1.70	Fig.6
MT200C12T2	T2	1200	200	3.0	200	1.70	Fig.6
MT200C16T2	T2	1600	200	3.0	200	1.70	Fig.6
MT200C18T2	T2	1800	200	3.0	200	1.70	Fig.6
MT200CB08T2	T2	800	200	3.0	200	1.70	Fig.7
MT200CB12T2	T2	1200	200	3.0	200	1.70	Fig.7
MT200CB16T2	T2	1600	200	3.0	200	1.70	Fig.7
MT200CB18T2	T2	1800	200	3.0	200	1.70	Fig.7



Three Phase Bridge Rectifier with Thyristor Modules

Part Number	Package	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage	Internal Diagram
		V_{RRM} (V)	I_T (A)	V_{GT} (V)	I_{GT} (mA)	V_{TM} (V)	
MT100DT08L1	L1	800	100	3.0	150	1.25	Fig.9
MT100DT12L1	L1	1200	100	3.0	150	1.25	Fig.9
MT100DT16L1	L1	1600	100	3.0	150	1.25	Fig.9
MT100DT18L1	L1	1800	100	3.0	150	1.25	Fig.9
MT75DT08L1	L1	800	75	3.0	150	1.30	Fig.8
MT75DT12L1	L1	1200	75	3.0	150	1.30	Fig.8
MT75DT16L1	L1	1600	75	3.0	150	1.30	Fig.8
MT75DT18L1	L1	1800	75	3.0	150	1.30	Fig.8
MT150DT08L2	L2	800	150	3.0	150	1.35	Fig.8
MT150DT12L2	L2	1200	150	3.0	150	1.35	Fig.8
MT150DT16L2	L2	1600	150	3.0	150	1.35	Fig.8
MT150DT18L2	L2	1800	150	3.0	150	1.35	Fig.8
MT200DT08L2	L2	800	200	3.0	150	1.40	Fig.9
MT200DT12L2	L2	1200	200	3.0	150	1.40	Fig.9
MT200DT16L2	L2	1600	200	3.0	150	1.40	Fig.9
MT200DT18L2	L2	1800	200	3.0	150	1.40	Fig.9



Power Modules

Internal Diagram

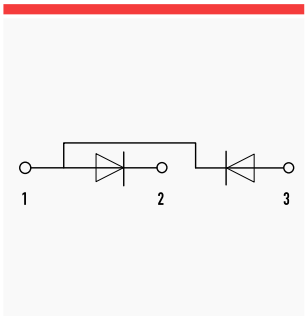


Fig.1

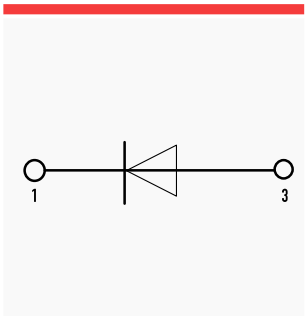


Fig.2

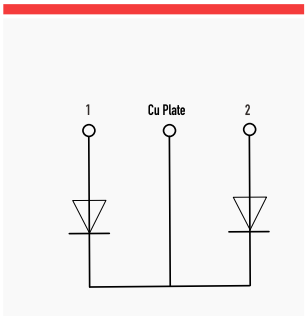


Fig.3

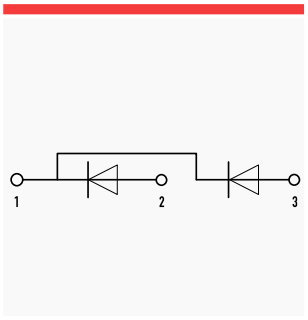


Fig.4

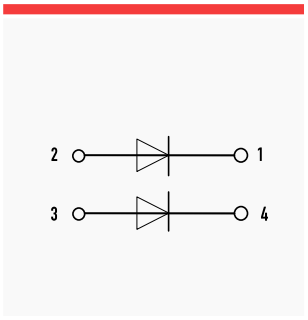


Fig.5

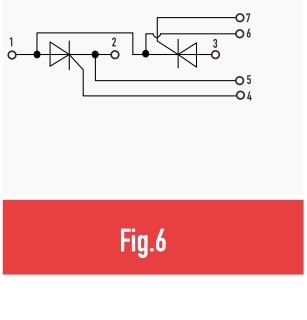


Fig.6

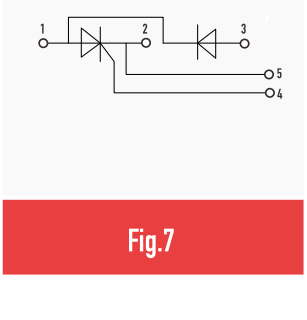


Fig.7

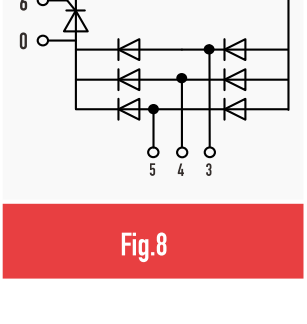


Fig.8

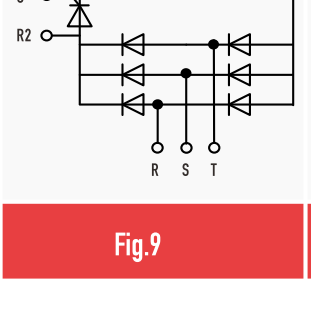


Fig.9

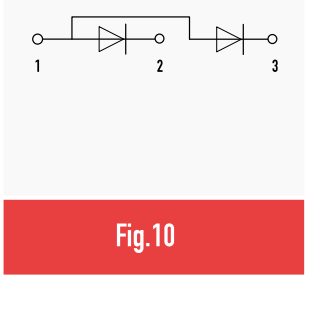


Fig.10

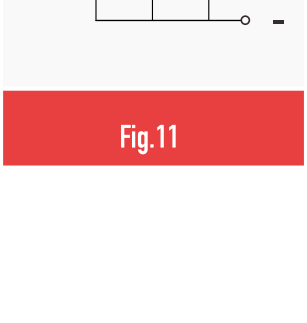


Fig.11

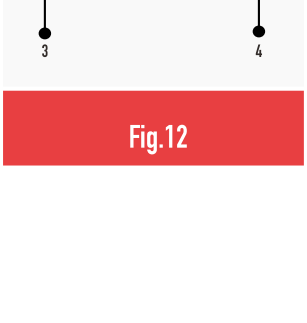


Fig.12

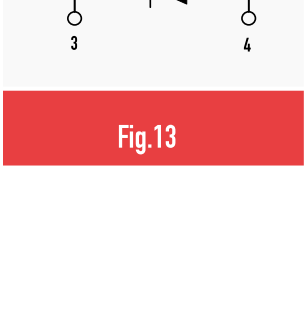


Fig.13

FRED Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Reverse Recovery Time	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	T_{RR} (ns)	
MF100C06F1	F1	600	100	1300	1.4	100	50	Fig.1
MF100U12F2	F2	1200	100	1100	1.58	100	55	Fig.2
MF150C06F2	F2	600	150	1400	1.6	150	130	Fig.1
MF200K06F2	F2	600	200	2000	1.6	200	140	Fig.4
MF300C12F2	F2	1200	300	2700	3	300	135	Fig.3
MF300U12F2	F2	1200	300	2500	2.7	300	150	Fig.3
MF200K04F3	F3	400	200	1500	1.35	100	95	Fig.3
MF200K06F3	F3	600	200	2100	1.15	100	105	Fig.3
MF300K04F3	F3	400	300	2700	1.05	150	90	Fig.3
MF300K06F3	F3	600	300	3500	1.4	150	130	Fig.3
MF400K04F3	F3	400	400	4000	1.35	200	135	Fig.3
MF400K06F3	F3	600	400	3500	1.25	200	130	Fig.3
MF200K04F4	F4	400	200	1500	1.35	100	95	Fig.3
MF200K06F4	F4	600	200	2100	1.15	100	105	Fig.3
MF200DU06FJ	FJ	600	200	1300	1.3	100	105	Fig.5
MF200DU12FJ	FJ	1200	200	1450	1.6	100	135	Fig.5

F1

F2

F3

F4

FJ

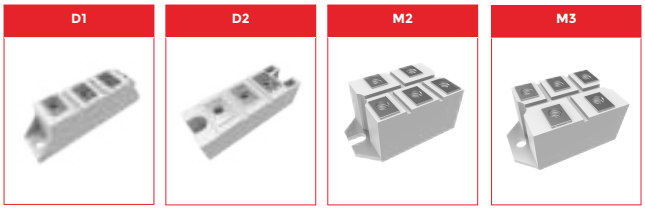
Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD100A08D1	D1	800	100	2500	1.4	300	5	Fig.10
MD100A12D1	D1	1200	100	2500	1.4	300	5	Fig.10
MD100A16D1	D1	1600	100	2500	1.4	300	5	Fig.10
MD100A18D1	D1	1800	100	2500	1.4	300	5	Fig.10
MD100C08D1	D1	800	100	2500	1.4	300	5	Fig.1
MD100C12D1	D1	1200	100	2500	1.4	300	5	Fig.1
MD100C16D1	D1	1600	100	2500	1.4	300	5	Fig.1
MD100C18D1	D1	1800	100	2500	1.4	300	5	Fig.1
MD100K08D1	D1	800	100	2500	1.4	300	5	Fig.4
MD100K12D1	D1	1200	100	2500	1.4	300	5	Fig.4
MD100K16D1	D1	1600	100	2500	1.4	300	5	Fig.4
MD100K18D1	D1	1800	100	2500	1.4	300	5	Fig.4
MD120A08D1	D1	800	120	2800	1.35	300	6	Fig.10
MD120A12D1	D1	1200	120	2800	1.35	300	6	Fig.10
MD120A16D1	D1	1600	120	2800	1.35	300	6	Fig.10
MD120A18D1	D1	1800	120	2800	1.35	300	6	Fig.10
MD120C08D1	D1	800	120	2800	1.35	300	6	Fig.1
MD120C12D1	D1	1200	120	2800	1.35	300	6	Fig.1
MD120C16D1	D1	1600	120	2800	1.35	300	6	Fig.1
MD120C18D1	D1	1800	120	2800	1.35	300	6	Fig.1
MD120K08D1	D1	800	120	2800	1.35	300	6	Fig.4
MD120K12D1	D1	1200	120	2800	1.35	300	6	Fig.4
MD120K16D1	D1	1600	120	2800	1.35	300	6	Fig.4
MD120K18D1	D1	1800	120	2800	1.35	300	6	Fig.4
MD36A08D1	D1	800	36	650	1.4	100	5	Fig.10
MD36A12D1	D1	1200	36	650	1.4	100	5	Fig.10
MD36A16D1	D1	1600	36	650	1.4	100	5	Fig.10
MD36A18D1	D1	1800	36	650	1.4	100	5	Fig.10
MD36C08D1	D1	800	36	650	1.4	100	5	Fig.1
MD36C12D1	D1	1200	36	650	1.4	100	5	Fig.1
MD36C16D1	D1	1600	36	650	1.4	100	5	Fig.1
MD36C18D1	D1	1800	36	650	1.4	100	5	Fig.1
MD36K08D1	D1	800	36	650	1.4	100	5	Fig.4
MD36K12D1	D1	1200	36	650	1.4	100	5	Fig.4
MD36K16D1	D1	1600	36	650	1.4	100	5	Fig.4
MD36K18D1	D1	1800	36	650	1.4	100	5	Fig.4
MD60A08D1	D1	800	60	1150	1.45	200	5	Fig.10
MD60A12D1	D1	1200	60	1150	1.45	200	5	Fig.10
MD60A16D1	D1	1600	60	1150	1.45	200	5	Fig.10
MD60A18D1	D1	1800	60	1150	1.45	200	5	Fig.10
MD60C08D1	D1	800	60	1150	1.45	200	5	Fig.1
MD60C12D1	D1	1200	60	1150	1.45	200	5	Fig.1
MD60C16D1	D1	1600	60	1150	1.45	200	5	Fig.1
MD60C18D1	D1	1800	60	1150	1.45	200	5	Fig.1
MD60K08D1	D1	800	60	1150	1.45	200	5	Fig.4
MD60K12D1	D1	1200	60	1150	1.45	200	5	Fig.4
MD60K16D1	D1	1600	60	1150	1.45	200	5	Fig.4
MD60K18D1	D1	1800	60	1150	1.45	200	5	Fig.4
MD70A08D1	D1	800	70	1400	1.3	200	5	Fig.10
MD70A12D1	D1	1200	70	1400	1.3	200	5	Fig.10
MD70A16D1	D1	1600	70	1400	1.3	200	5	Fig.10
MD70A18D1	D1	1800	70	1400	1.3	200	5	Fig.10
MD70C08D1	D1	800	70	1400	1.3	200	5	Fig.1
MD70C12D1	D1	1200	70	1400	1.3	200	5	Fig.1

D1

Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD70C16D1	D1	1600	70	1400	1.3	200	5	Fig.1
MD70C18D1	D1	1800	70	1400	1.3	200	5	Fig.1
MD70K08D1	D1	800	70	1400	1.3	200	5	Fig.4
MD70K12D1	D1	1200	70	1400	1.3	200	5	Fig.4
MD70K16D1	D1	1600	70	1400	1.3	200	5	Fig.4
MD70K18D1	D1	1800	70	1400	1.3	200	5	Fig.4
MD165A08D2	D2	800	165	6000	1.4	300	9	Fig.10
MD165A12D2	D2	1200	165	6000	1.4	300	9	Fig.10
MD165A16D2	D2	1600	165	6000	1.4	300	9	Fig.10
MD165A18D2	D2	1800	165	6000	1.4	300	9	Fig.10
MD165C08D2	D2	800	165	6000	1.4	300	9	Fig.1
MD165C12D2	D2	1200	165	6000	1.4	300	9	Fig.1
MD165C16D2	D2	1600	165	6000	1.4	300	9	Fig.1
MD165C18D2	D2	1800	165	6000	1.4	300	9	Fig.1
MD165K08D2	D2	800	165	6000	1.4	300	9	Fig.4
MD165K12D2	D2	1200	165	6000	1.4	300	9	Fig.4
MD165K16D2	D2	1600	165	6000	1.4	300	9	Fig.4
MD165K18D2	D2	1800	165	6000	1.4	300	9	Fig.4
MD200A08D2	D2	800	200	6800	1.3	300	9	Fig.10
MD200A12D2	D2	1200	200	6800	1.3	300	9	Fig.10
MD200A16D2	D2	1600	200	6800	1.3	300	9	Fig.10
MD200A18D2	D2	1800	200	6800	1.3	300	9	Fig.10
MD200C08D2	D2	800	200	6800	1.3	300	9	Fig.1
MD200C12D2	D2	1200	200	6800	1.3	300	9	Fig.1
MD200C16D2	D2	1600	200	6800	1.3	300	9	Fig.1
MD200C18D2	D2	1800	200	6800	1.3	300	9	Fig.1
MD200K08D2	D2	800	200	6800	1.3	300	9	Fig.4
MD200K12D2	D2	1200	200	6800	1.3	300	9	Fig.4
MD200K16D2	D2	1600	200	6800	1.3	300	9	Fig.4
MD200K18D2	D2	1800	200	6800	1.3	300	9	Fig.4
MD240C08D2	D2	800	240	7550	1.25	300	9	Fig.1
MD240C12D2	D2	1200	240	7550	1.25	300	9	Fig.1
MD240C16D2	D2	1600	240	7550	1.25	300	9	Fig.1
MD240C18D2	D2	1800	240	7550	1.25	300	9	Fig.1
MD100S08M2	M2	800	100	920	1.9	150	0.3	Fig.11
MD100S12M2	M2	1200	100	920	1.9	150	0.3	Fig.11
MD100S16M2	M2	1600	100	920	1.9	150	0.3	Fig.11
MD100S18M2	M2	1800	100	920	1.9	150	0.3	Fig.11
MD60S08M2	M2	800	60	460	1.8	150	0.3	Fig.11
MD60S12M2	M2	1200	60	460	1.8	150	0.3	Fig.11
MD60S16M2	M2	1600	60	460	1.8	150	0.3	Fig.11
MD60S18M2	M2	1800	60	460	1.8	150	0.3	Fig.11
MD75S08M2	M2	800	75	750	1.6	150	0.3	Fig.11
MD75S12M2	M2	1200	75	750	1.6	150	0.3	Fig.11
MD75S16M2	M2	1600	75	750	1.6	150	0.3	Fig.11
MD75S18M2	M2	1800	75	750	1.6	150	0.3	Fig.11
MD100S08M3	M3	800	100	920	1.9	300	0.3	Fig.11
MD100S12M3	M3	1200	100	920	1.9	300	0.3	Fig.11
MD100S16M3	M3	1600	100	920	1.9	300	0.3	Fig.11
MD100S18M3	M3	1800	100	920	1.9	300	0.3	Fig.11
MD130S08M3	M3	800	130	1200	1.8	300	0.3	Fig.11
MD130S12M3	M3	1200	130	1200	1.8	300	0.3	Fig.11
MD130S16M3	M3	1600	130	1200	1.8	300	0.3	Fig.11
MD130S18M3	M3	1800	130	1200	1.8	300	0.3	Fig.11



Standard Recovery Power Modules

Part Number	Package	Working Peak Reverse Voltage	Average Forward Current	Forward Peak Surge Current	Forward Voltage Per Element	At Rated Forward Current	Max.DC Reverse Current at Rated DC Blocking Voltage	Internal Diagram
		V_{RRM} (V)	I_O (A)	I_{FSM} (A)	V_F (V)	I_F(A)	I_R (mA)	
MD160S08M3	M3	800	160	1800	1.75	300	0.5	Fig.11
MD160S12M3	M3	1200	160	1800	1.75	300	0.5	Fig.11
MD160S16M3	M3	1600	160	1800	1.75	300	0.5	Fig.11
MD160S18M3	M3	1800	160	1800	1.75	300	0.5	Fig.11
MD200S08M3	M3	800	200	2240	1.7	300	0.5	Fig.11
MD200S12M3	M3	1200	200	2240	1.7	300	0.5	Fig.11
MD200S16M3	M3	1600	200	2240	1.7	300	0.5	Fig.11
MD200S18M3	M3	1800	200	2240	1.7	300	0.5	Fig.11
MD200S20M3	M3	2000	200	2240	1.7	300	0.5	Fig.11
MD250S08M3	M3	800	250	2500	1.6	300	0.5	Fig.11
MD250S12M3	M3	1200	250	2500	1.6	300	0.5	Fig.11
MD250S16M3	M3	1600	250	2500	1.6	300	0.5	Fig.11
MD250S18M3	M3	1800	250	2500	1.6	300	0.5	Fig.11
MD250S20M3	M3	2000	250	2500	1.6	300	0.5	Fig.11
MD100S08M4	M4	800	100	920	1.9	300	0.3	Fig.11
MD100S12M4	M4	1200	100	920	1.9	300	0.3	Fig.11
MD100S16M4	M4	1600	100	920	1.9	300	0.3	Fig.11
MD100S18M4	M4	1800	100	920	1.9	300	0.3	Fig.11
MD50S08M4	M4	800	50	460	1.7	150	0.3	Fig.11
MD50S12M4	M4	1200	50	460	1.7	150	0.3	Fig.11
MD50S16M4	M4	1600	50	460	1.7	150	0.3	Fig.11
MD50S18M4	M4	1800	50	460	1.7	150	0.3	Fig.11
MD75S08M4	M4	800	75	750	1.5	150	0.3	Fig.11
MD75S12M4	M4	1200	75	750	1.5	150	0.3	Fig.11
MD75S16M4	M4	1600	75	750	1.5	150	0.3	Fig.11
MD75S18M4	M4	1800	75	750	1.5	150	0.3	Fig.11
MD100S08M5	M5	800	100	920	1.9	300	0.3	Fig.11
MD100S12M5	M5	1200	100	920	1.9	300	0.3	Fig.11
MD100S16M5	M5	1600	100	920	1.9	300	0.3	Fig.11
MD100S18M5	M5	1800	100	920	1.9	300	0.3	Fig.11
MD130S08M5	M5	800	130	1200	1.8	300	0.3	Fig.11
MD130S12M5	M5	1200	130	1200	1.8	300	0.3	Fig.11
MD130S16M5	M5	1600	130	1200	1.8	300	0.3	Fig.11
MD130S18M5	M5	1800	130	1200	1.8	300	0.3	Fig.11
MD160S08M5	M5	800	160	1800	1.75	300	0.5	Fig.11
MD160S12M5	M5	1200	160	1800	1.75	300	0.5	Fig.11
MD160S16M5	M5	1600	160	1800	1.75	300	0.5	Fig.11
MD160S18M5	M5	1800	160	1800	1.75	300	0.5	Fig.11
MD200S08M5	M5	800	200	2240	1.7	300	0.5	Fig.11
MD200S12M5	M5	1200	200	2240	1.7	300	0.5	Fig.11
MD200S16M5	M5	1600	200	2240	1.7	300	0.5	Fig.11
MD200S18M5	M5	1800	200	2240	1.7	300	0.5	Fig.11
MD250S08M5	M5	800	250	2500	1.6	300	0.5	Fig.11
MD250S12M5	M5	1200	250	2500	1.6	300	0.5	Fig.11
MD250S16M5	M5	1600	250	2500	1.6	300	0.5	Fig.11
MD250S18M5	M5	1800	250	2500	1.6	300	0.5	Fig.11

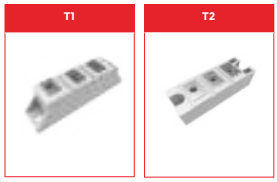
M3

M4

M5

Thyristor Modules

Part Number	Package	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage	Internal Diagram
		V_{RRM} (V)	I_T (A)	V_{GT} (V)	I_{GT} (mA)	V_{TM} (V)	
MT110C08T1	T1	800	110	3	150	1.65	Fig.6
MT110C12T1	T1	1200	110	3	150	1.65	Fig.6
MT110C16T1	T1	1600	110	3	150	1.65	Fig.6
MT110C18T1	T1	1800	110	3	150	1.65	Fig.6
MT110CB08T1	T1	800	110	3	150	1.65	Fig.7
MT110CB12T1	T1	1200	110	3	150	1.65	Fig.7
MT110CB16T1	T1	1600	110	3	150	1.65	Fig.7
MT110CB18T1	T1	1800	110	3	150	1.65	Fig.7
MT25C08T1	T1	800	25	2.5	150	1.8	Fig.6
MT25C12T1	T1	1200	25	2.5	150	1.8	Fig.6
MT25C16T1	T1	1600	25	2.5	150	1.8	Fig.6
MT25C18T1	T1	1800	25	2.5	150	1.8	Fig.6
MT25CB08T1	T1	800	25	2.5	150	1.8	Fig.7
MT25CB12T1	T1	1200	25	2.5	150	1.8	Fig.7
MT25CB16T1	T1	1600	25	2.5	150	1.8	Fig.7
MT25CB18T1	T1	1800	25	2.5	150	1.8	Fig.7
MT40C08T1	T1	800	40	2.5	150	1.95	Fig.6
MT40C12T1	T1	1200	40	2.5	150	1.95	Fig.6
MT40C16T1	T1	1600	40	2.5	150	1.95	Fig.6
MT40C18T1	T1	1800	40	2.5	150	1.95	Fig.6
MT40CB08T1	T1	800	40	2.5	150	1.95	Fig.7
MT40CB12T1	T1	1200	40	2.5	150	1.95	Fig.7
MT40CB16T1	T1	1600	40	2.5	150	1.95	Fig.7
MT40CB18T1	T1	1800	40	2.5	150	1.95	Fig.7
MT60C08T1	T1	800	60	3	150	1.65	Fig.6
MT60C12T1	T1	1200	60	3	150	1.65	Fig.6
MT60C16T1	T1	1600	60	3	150	1.65	Fig.6
MT60C18T1	T1	1800	60	3	150	1.65	Fig.6
MT60CB08T1	T1	800	60	3	150	1.65	Fig.7
MT60CB12T1	T1	1200	60	3	150	1.65	Fig.7
MT60CB16T1	T1	1600	60	3	150	1.65	Fig.7
MT60CB18T1	T1	1800	60	3	150	1.65	Fig.7
MT90C08T1	T1	800	90	3	150	1.65	Fig.6
MT90C12T1	T1	1200	90	3	150	1.65	Fig.6
MT90C16T1	T1	1600	90	3	150	1.65	Fig.6
MT90C18T1	T1	1800	90	3	150	1.65	Fig.6
MT90CB08T1	T1	800	90	3	150	1.65	Fig.7
MT90CB12T1	T1	1200	90	3	150	1.65	Fig.7
MT90CB16T1	T1	1600	90	3	150	1.65	Fig.7
MT90CB18T1	T1	1800	90	3	150	1.65	Fig.7
MT130C08T2	T2	800	130	3	150	1.8	Fig.6
MT130C12T2	T2	1200	130	3	150	1.8	Fig.6
MT130C16T2	T2	1600	130	3	150	1.8	Fig.6
MT130C18T2	T2	1800	130	3	150	1.8	Fig.6
MT130CB08T2	T2	800	130	3	150	1.8	Fig.7
MT130CB12T2	T2	1200	130	3	150	1.8	Fig.7
MT130CB16T2	T2	1600	130	3	150	1.8	Fig.7
MT130CB18T2	T2	1800	130	3	150	1.8	Fig.7
MT160C08T2	T2	800	160	3	150	1.7	Fig.6
MT160C12T2	T2	1200	160	3	150	1.7	Fig.6
MT160C16T2	T2	1600	160	3	150	1.7	Fig.6
MT160C18T2	T2	1800	160	3	150	1.7	Fig.6
MT160CB08T2	T2	800	160	3	150	1.7	Fig.7
MT160CB12T2	T2	1200	160	3	150	1.7	Fig.7
MT160CB16T2	T2	1600	160	3	150	1.7	Fig.7

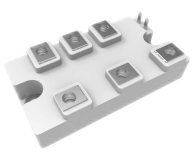


Thyristor Modules

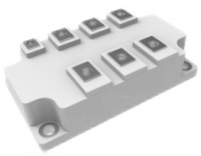
Part Number	Package	Working Peak Reverse Voltage	Output Current(D.C.)	Gate Trigger Voltage	Gate Trigger Current	Peak On-State Voltage	Internal Diagram
		V_{RRM} (V)	I_T (A)	V_{GT} (V)	I_{GT} (mA)	V_{TM} (V)	
MT160CB18T2	T2	1800	160	3	150	1.7	Fig.7
MT200C08T2	T2	800	200	3	200	1.7	Fig.6
MT200C12T2	T2	1200	200	3	200	1.7	Fig.6
MT200C16T2	T2	1600	200	3	200	1.7	Fig.6
MT200C18T2	T2	1800	200	3	200	1.7	Fig.6
MT200CB08T2	T2	800	200	3	200	1.7	Fig.7
MT200CB12T2	T2	1200	200	3	200	1.7	Fig.7
MT200CB16T2	T2	1600	200	3	200	1.7	Fig.7
MT200CB18T2	T2	1800	200	3	200	1.7	Fig.7
MT100DT08L1	L1	800	100	3	150	1.25	Fig.8
MT100DT12L1	L1	1200	100	3	150	1.25	Fig.8
MT100DT16L1	L1	1600	100	3	150	1.25	Fig.8
MT100DT18L1	L1	1800	100	3	150	1.25	Fig.8
MT75DT08L1	L1	800	75	3	150	1.3	Fig.8
MT75DT12L1	L1	1200	75	3	150	1.3	Fig.8
MT75DT16L1	L1	1600	75	3	150	1.3	Fig.8
MT75DT18L1	L1	1800	75	3	150	1.3	Fig.9
MT150DT08L2	L2	800	150	3	150	1.35	Fig.9
MT150DT12L2	L2	1200	150	3	150	1.35	Fig.9
MT150DT16L2	L2	1600	150	3	150	1.35	Fig.9
MT150DT18L2	L2	1800	150	3	150	1.35	Fig.9
MT200DT08L2	L2	800	200	3	150	1.4	Fig.9
MT200DT12L2	L2	1200	200	3	150	1.4	Fig.9
MT200DT16L2	L2	1600	200	3	150	1.4	Fig.9
MT200DT18L2	L2	1800	200	3	150	1.4	Fig.9

T2

L1



L2



Internal Diagram

Fig.1

Fig.2

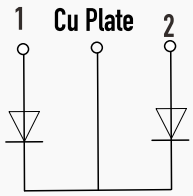


Fig.3

Fig.4

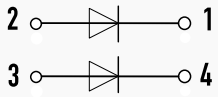


Fig.5

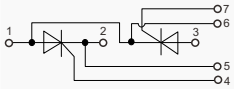


Fig.6

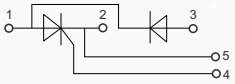


Fig.7

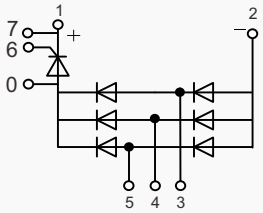


Fig.8

Fig.9

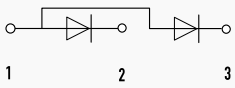


Fig.10

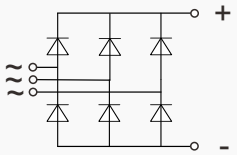


Fig.11

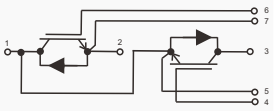


Fig.12

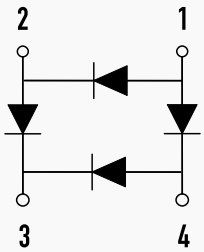


Fig.13

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