

Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

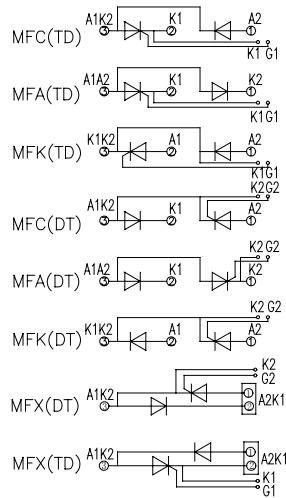
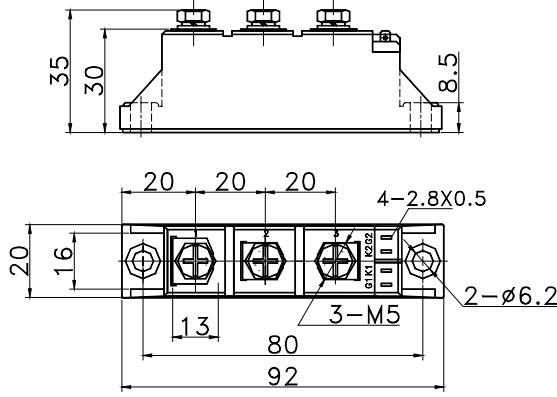
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 26A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 0.55KA
 I^2t $1.5A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			26	A
$I_{T(RMS)}$	RMS on-state current		125			41	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			8	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			0.55	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				1.50	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.85	V
r_T	On-state drop resistance					9.68	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=80A$	25			1.69	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125	0.2		0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.950	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					2.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					115	g

Outline:



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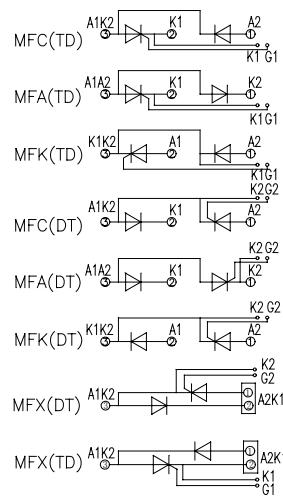
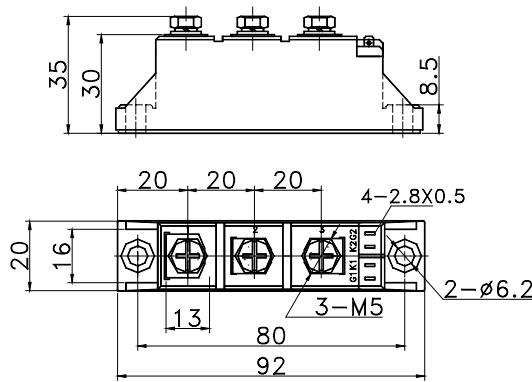
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$	40A
V_{DRM}/V_{RRM}	600~1800V
I_{TSM}	1.0KA
I^2t	$5.0A^2 S * 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			40	A
$I_{T(RMS)}$	RMS on-state current		125			63	A
V_{DRM} V_{RRM}	Repetitive peak off-state voltage Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}$ tp=10ms $V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively	125	600		1800	V
I_{DRM} I_{RRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			8	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.00	KA
I^2t	I^2t for fusing coordination	$V_R = 60\% V_{RRM}$				5.0	$A^2 s * 10^3$
V_{TO}	Threshold voltage		125			0.85	V
r_T	On-state drop resistance					5.57	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=120A$	25			1.60	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\% V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\% V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.650	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					2.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					115	g

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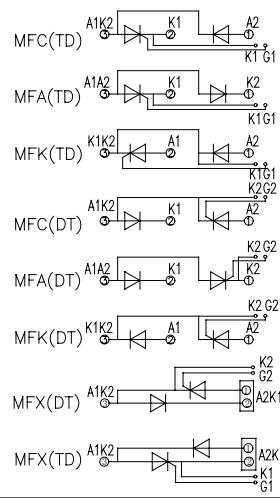
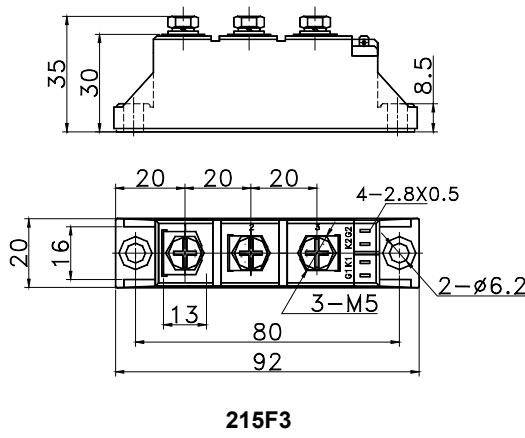
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 55A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 1.25KA
 I^2t $7.8A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			55	A
$I_{T(RMS)}$	RMS on-state current		125			86	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			8	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.25	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				7.80	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.85	V
r_T	On-state drop resistance			125		3.47	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=170A$	25			1.50	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.530	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				2.0		$N\cdot m$
	Mounting torque(M6)				3.0		$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				100		g

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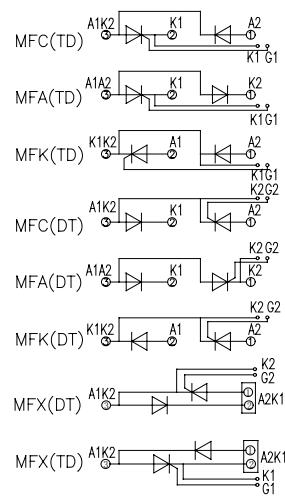
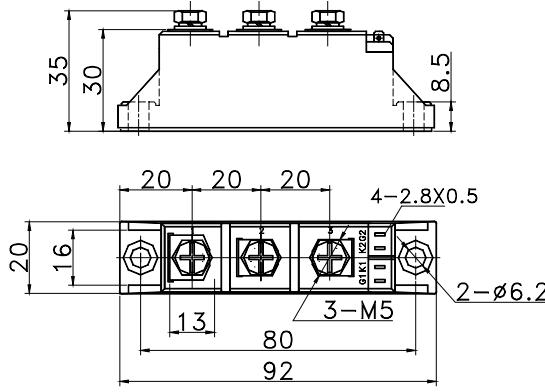
- AC/DC Motor drives
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$I_{T(AV)}$ 55A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 1.25KA
 I^2t $7.8A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^\circ C$	125			55	A
$I_{T(RMS)}$	RMS on-state current		125			86	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			8	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.25	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				7.8	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.85	V
r_T	On-state drop resistance					3.47	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=170A$	25			1.50	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.530	$^\circ C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^\circ C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					2.0	$N \cdot m$
	Mounting torque(M6)					3.0	$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^\circ C$
W_t	Weight					100	g

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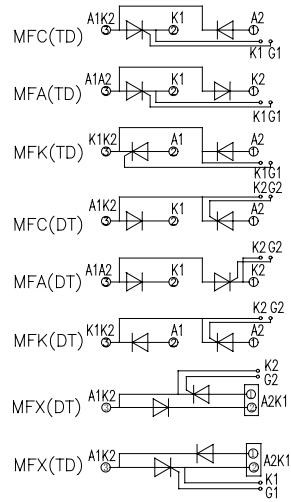
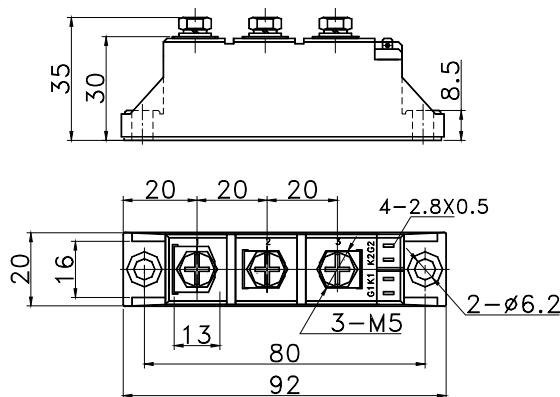
- AC/DC Motor drives
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- DC supply for PWM inverter

$I_{T(AV)}$ 55A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 1.15KA
 I^2t $6.6A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			55	A
$I_{T(RMS)}$	RMS on-state current		125			86	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			10	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.15	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				6.60	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance			125		5.85	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=120A$	25			1.96	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.640	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				2.0		$N\cdot m$
	Mounting torque(M6)				3.0		$N\cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight				115		g

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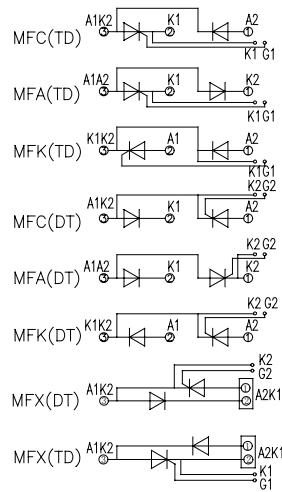
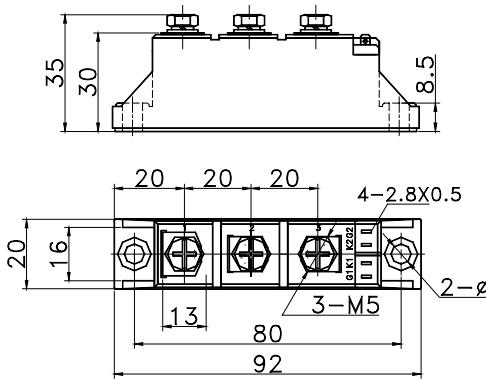
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$I_{T(AV)}$ 70A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 1.60KA
 I^2t $13A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			70	A
$I_{T(RMS)}$	RMS on-state current		125			110	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			10	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.60	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				13.0	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					2.64	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=210A$	25			1.48	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DN}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.410	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)		2500			V
F_m	Thermal connection torque(M5)					2.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					115	g

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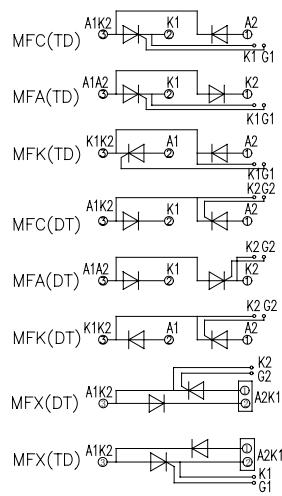
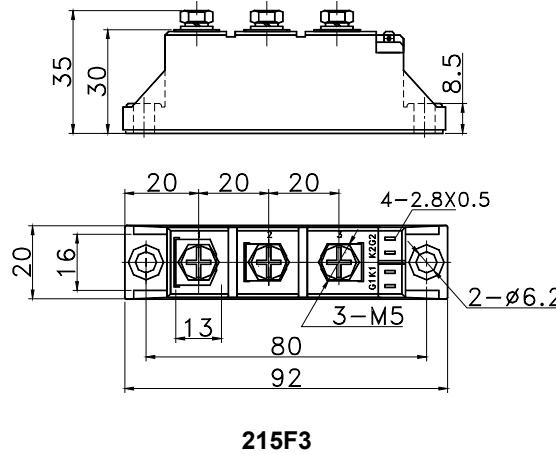
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 I_{TSM} 1.60KA
 I^2t 13A² S*10³



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$I_{T(RMS)}$	RMS on-state current		125			110	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			12	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.60	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				13.0	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance			125		4.64	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=210A$	25			1.93	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			50	A/μs
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.450	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				115		g

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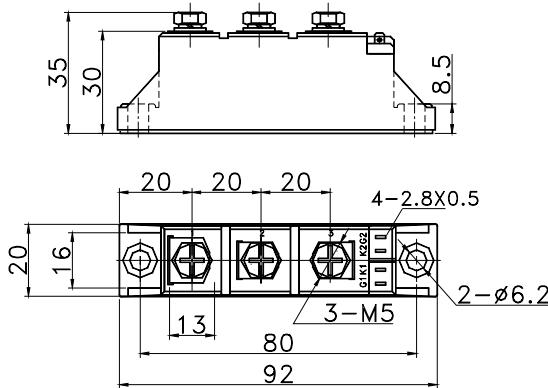
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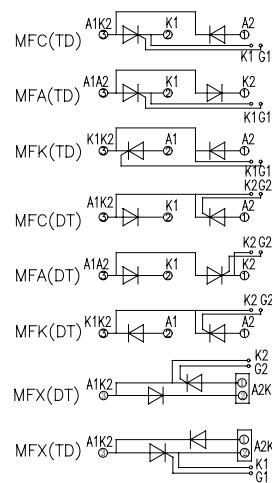


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$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			70	A
$I_{T(RMS)}$	RMS on-state current		125			110	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			12	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			1.60	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				13.0	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance					4.64	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=210A$	25			1.93	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			50	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	0.8		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.450	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)		3600			V
F_m	Thermal connection torque(M5)					2.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					115	g

Outline:



215F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

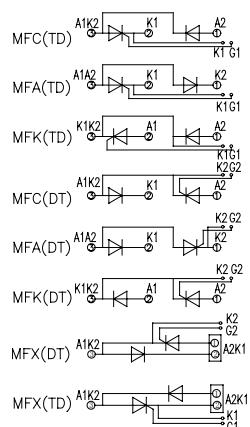
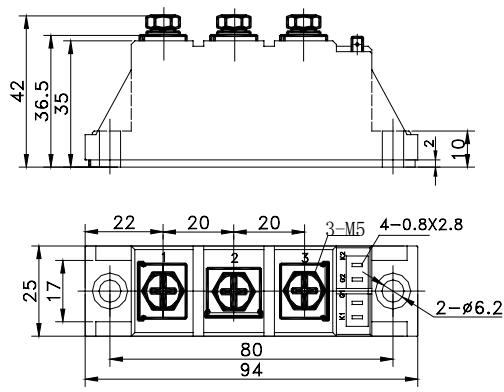
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 90A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} $2.0A \times 10^3$
 I^2t $20.4A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			90	A
$I_{T(RMS)}$	RMS on-state current		125			141	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1600	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			10	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			2	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				20.4	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state slop resistance			125		3.01	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=270A$	25			1.7	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.28	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.15	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				4		$N\cdot m$
	Mounting torque(M6)				6		$N\cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight				160		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

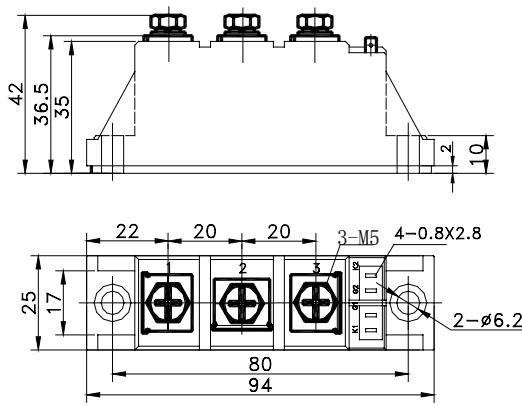
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 90A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 2.0KA
 I^2t $20A^2 S \times 10^3$

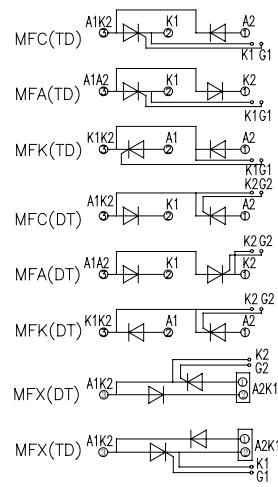


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			90	A
$I_{T(RMS)}$	RMS on-state current		125			141	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RsM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			15	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			2.0	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				20	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance					3.26	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=270A$	25			1.92	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DN}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.280	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.15	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)					2.0	$N \cdot m$
	Mounting torque(M6)					3.0	$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					115	g

Outline:



217F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

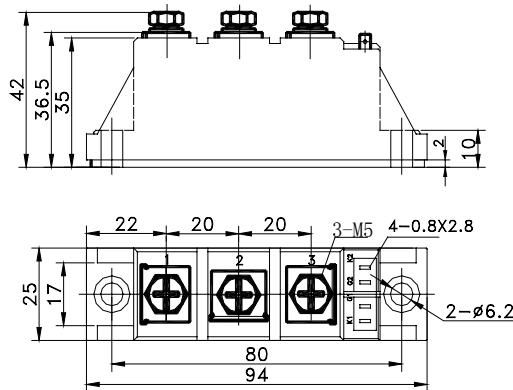
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 90A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 2.0KA
 I^2t $20A^2 S \times 10^3$

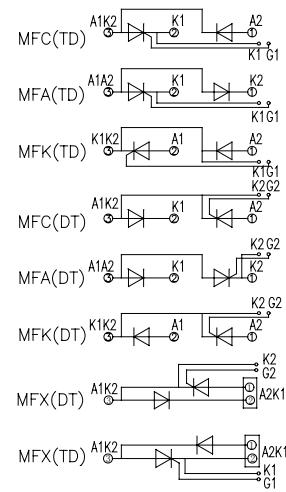


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			90	A
$I_{T(RMS)}$	RMS on-state current		125			141	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			15	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			2.0	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				20	$A^2 s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance					3.26	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=270A$	25			1.92	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.280	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.15	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)					2.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					160	g

Outline:



217F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

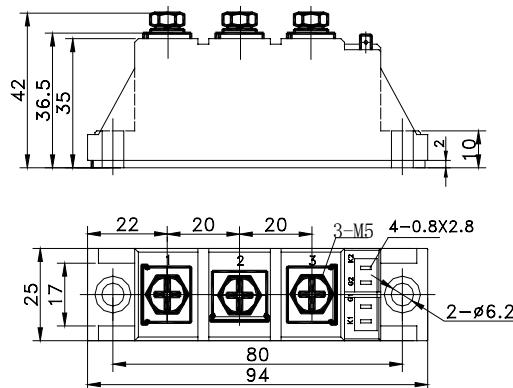
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 110A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 2.44KA
 I^2t $29A^2 S \times 10^3$

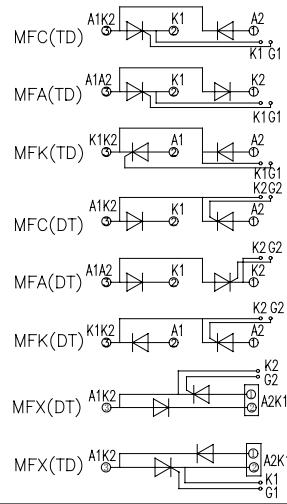


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			110	A
$I_{T(RMS)}$	RMS on-state current		125			173	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			12	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			2.40	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				29	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state slop resistance					2.29	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=330A$	25			1.69	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.250	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.15	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					2.0	$N \cdot m$
	Mounting torque(M6)					3.0	$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					160	g

Outline:



217F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

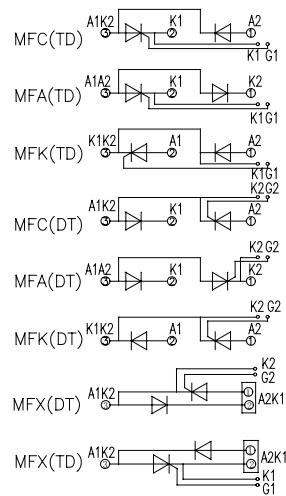
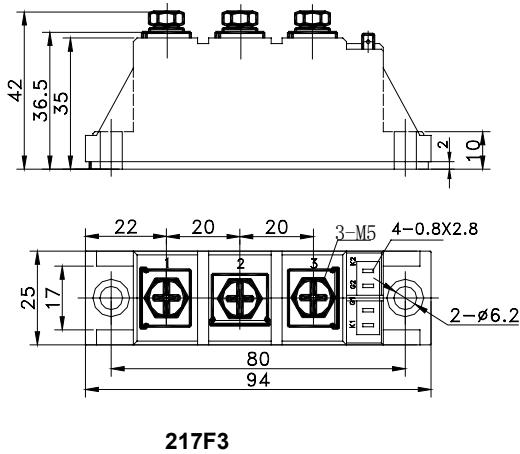
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 110A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 2.4KA
 I^2t 29A²S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			110	A
$I_{T(RMS)}$	RMS on-state current		125			173	A
V_{DRM}	Repetitive peak off-state voltage	V_{DRM} & V_{RRM} tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	V_{DSM} & V_{RSM} = V_{DRM} & V_{RRM} +200V respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			20	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			2.4	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				29	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state slop resistance			125		2.61	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=330A$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V$, $I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.250	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.15	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I_{iso} :1mA(MAX)	3600				V
F_m	Thermal connection torque(M5)				2.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature		-40			125	°C
W_t	Weight				160		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

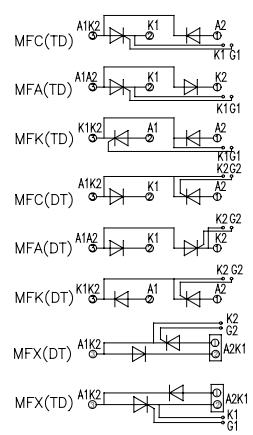
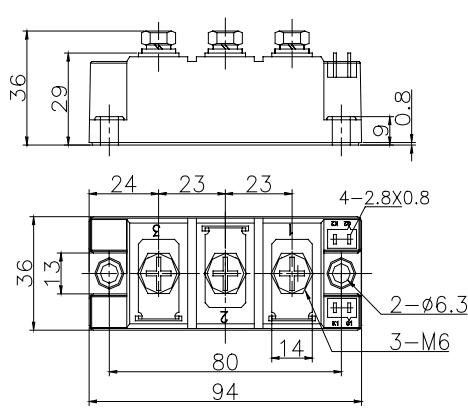
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 135A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} $2.0A \times 10^3$
 I^2t $20.4A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^\circ C$	125			135	A
$I_{T(RMS)}$	RMS on-state current		125			212	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			15	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			3.8	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				72	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state drop resistance					2.85	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=410A$	25			1.75	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		100	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.2	$^\circ C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.08	$^\circ C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				4		$N \cdot m$
	Mounting torque(M6)				6		$N \cdot m$
T_{stg}	Stored temperature			-40		125	$^\circ C$
W_t	Weight					320	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

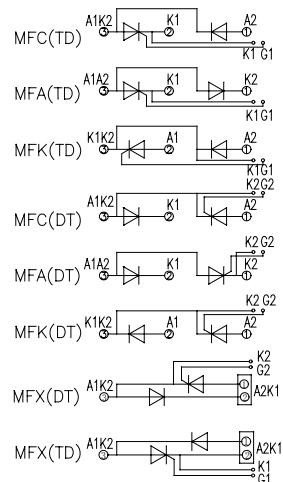
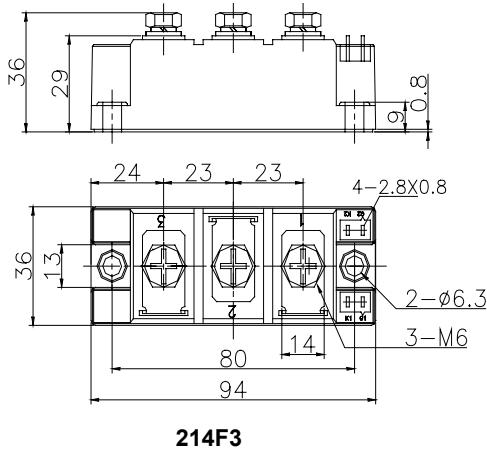
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 135A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 3.8KA
 I^2t $72A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			135	A
$I_{T(RMS)}$	RMS on-state current		125			212	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			22	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			3.8	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				72	$A^2 s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance			125		2.26	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=405A$	25			1.96	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.200	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.08	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				2.0		$N\cdot m$
	Mounting torque(M6)				3.0		$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				320		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

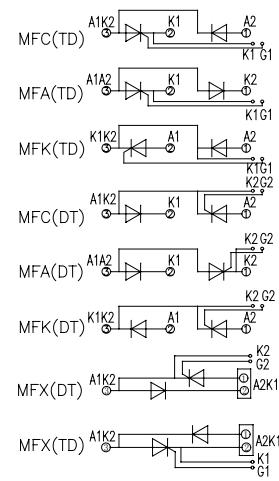
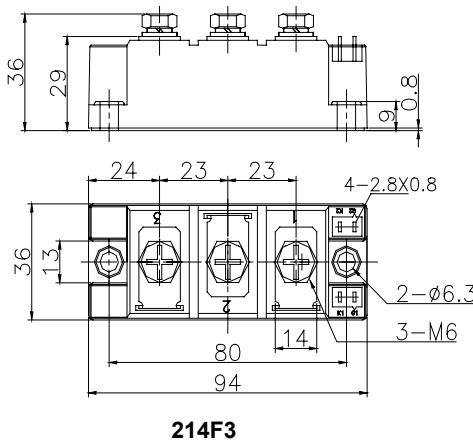
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 160A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 5.4KA
 I^2t $146A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			160	A
$I_{T(RMS)}$	RMS on-state current		125			251	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			20	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			5.40	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				146	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state drop resistance					1.69	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=480A$	25			1.70	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.170	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.08	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					3.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					320	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

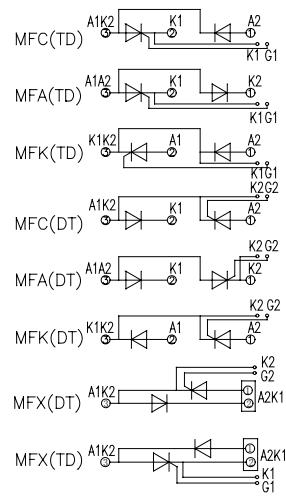
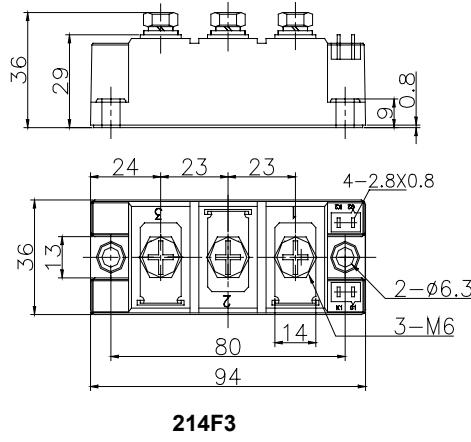
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 160A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 5.4KA
 I^2t 146A² S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			160	A
$I_{T(RMS)}$	RMS on-state current		125			251	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			25	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			5.40	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				146	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state drop resistance			125		1.79	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=480A$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.170	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.2	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I_{iso} :1mA(MAX)	3600				V
F_m	Thermal connection torque(M5)				3.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

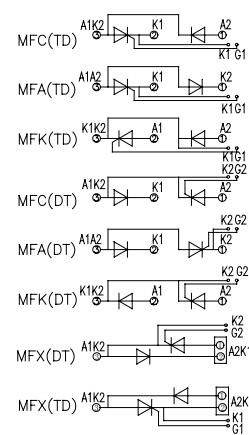
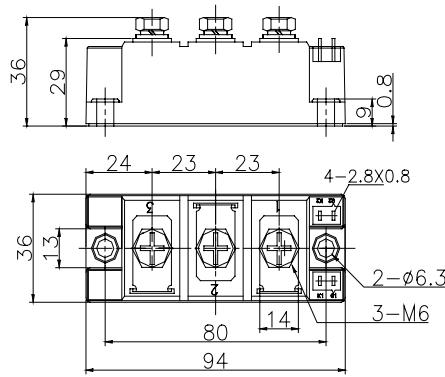
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 182A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 5.8×10^3
 I^2t $168A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^\circ C$	125			182	A
$I_{T(RMS)}$	RMS on-state current		125			286	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			25	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			5.8	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				168	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state drop resistance					1.26	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=550A$	25			1.62	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.16	$^\circ C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.08	$^\circ C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)		2500			V
F_m	Thermal connection torque(M5)				4		$N\cdot m$
	Mounting torque(M6)				6		$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^\circ C$
W_t	Weight					320	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

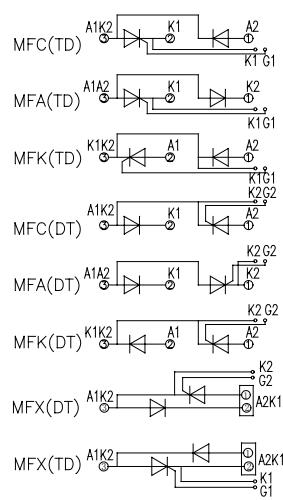
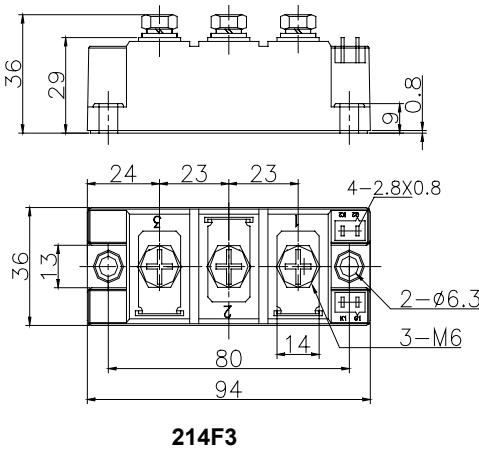
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 182A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 5.8KA
 I^2t $168A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			182	A
$I_{T(RMS)}$	RMS on-state current		125			286	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			30	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			5.80	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				168	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state slop resistance			125		1.40	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=550A$	25			1.80	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		150	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.160	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.08	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				3.0		$N\cdot m$
	Mounting torque(M6)				3.0		$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight				320		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

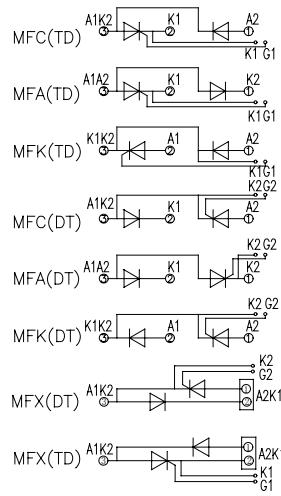
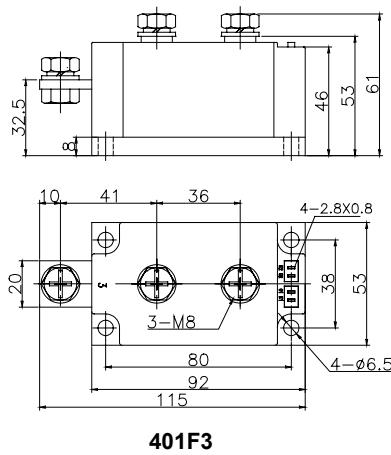
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 200A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 7.2KA
 I^2t $259A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			200	A
$I_{T(RMS)}$	RMS on-state current		125			314	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			30	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			7.2	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				259	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					1.27	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=600A$	25			1.65	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.140	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					4.5	$N \cdot m$
	Mounting torque(M6)					3.0	$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					930	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

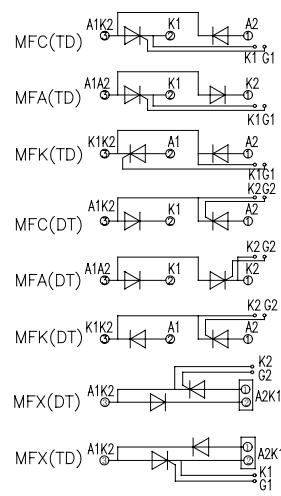
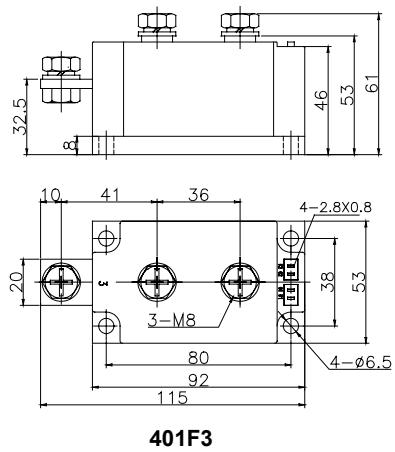
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 200A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 7.2KA
 I^2t 259A² S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			200	A
$I_{T(RMS)}$	RMS on-state current		125			314	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			35	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			7.20	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				259	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state slop resistance			125		1.43	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=600A$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.140	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I_{iso} :1mA(MAX)	3600				V
F_m	Thermal connection torque(M5)				4.5		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature		-40		125		°C
W_t	Weight				930		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

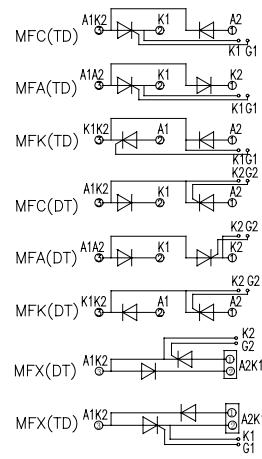
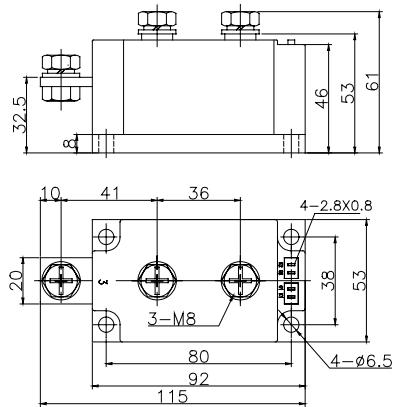
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 250A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} $8.5A \times 10^3$
 I^2t $360A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			250	A
$I_{T(RMS)}$	RMS on-state current		125			390	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			40	mA
I_{RRM}							
I_{TSM}	Surge on-state current	10ms half sine wave	125			8.5	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				360	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state slop resistance					0.85	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=750A$	25			1.57	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DN}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		2.5	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.12	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				4		$N \cdot m$
	Mounting torque(M6)				6		$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight				860		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

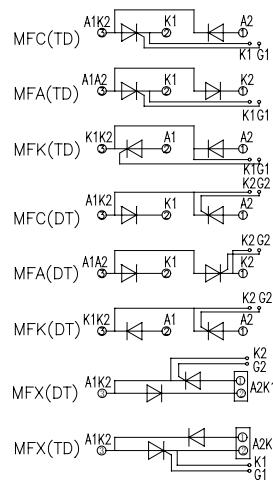
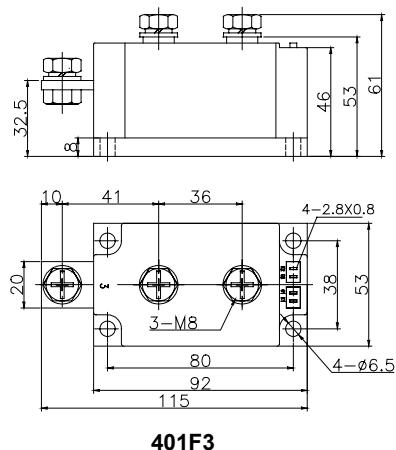
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 250A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 8.5KA
 I^2t $361A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			250	A
$I_{T(RMS)}$	RMS on-state current		125			393	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			8.50	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				361	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.90	V
r_T	On-state slop resistance					0.93	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=750A$	25			1.73	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.120	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				4.5		$N \cdot m$
	Mounting torque(M6)				3.0		$N \cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					930	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

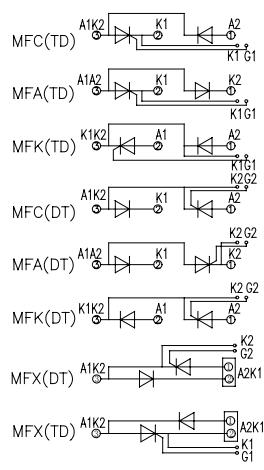
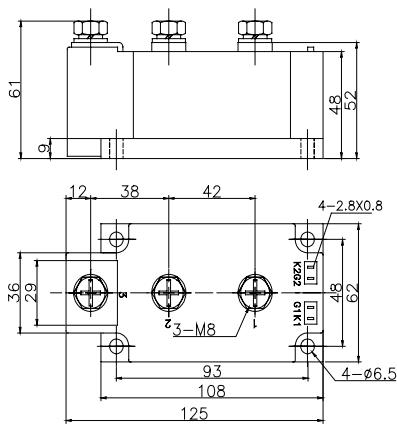
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 300A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} $9.3A \times 10^3$
 I^2t $432A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			300	A
$I_{T(RMS)}$	RMS on-state current		125			471	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} & V_{RRM}$ tp=10ms	125			1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} & V_{RRM}=V_{DRM} & V_{RRM}+200V$ respectively	600				
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			9.3	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				432	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state drop resistance					0.72	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=900A$	25			1.58	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current		30			180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.1	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					12	$N \cdot m$
	Mounting torque(M6)					6	$N \cdot m$
T_{stg}	Stored temperature		-40			125	$^{\circ}C$
W_t	Weight					1350	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

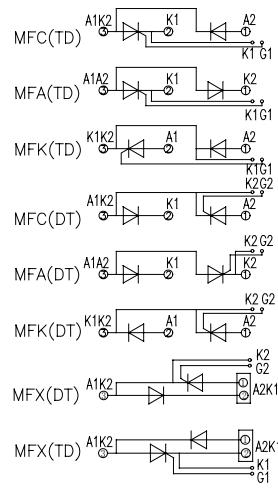
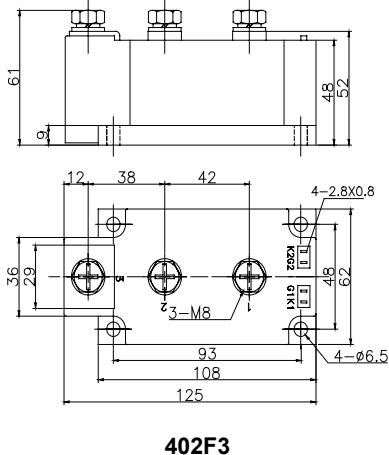
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 300A
 V_{DRM}/V_{RRM} 1900~3000V
 I_{TSM} 9.3KA
 I^2t 432tA² S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			300	A
$I_{T(RMS)}$	RMS on-state current		125			471	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	1900		3000	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			50	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			9.3	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				432	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.85	V
r_T	On-state slop resistance					0.75	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=900A$	25			1.68	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.091	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	3600				V
F_m	Thermal connection torque(M5)				4.5		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight					1340	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

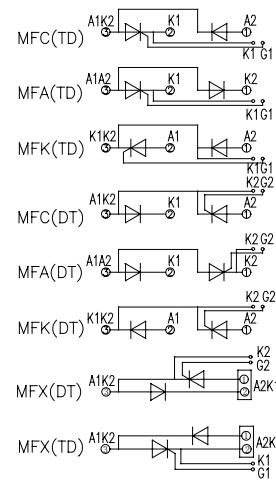
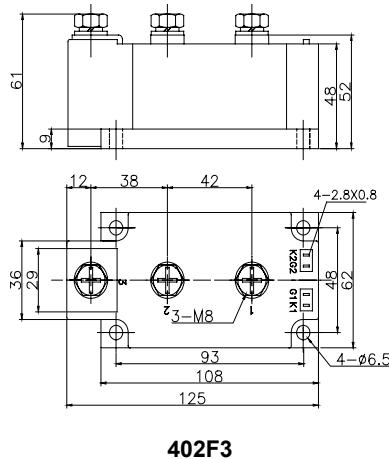
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 350A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 11KA
 I^2t $605A^2 S^{*10^3}$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			350	A
$I_{T(RMS)}$	RMS on-state current		125			550	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			11.0	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				605	$A^2s^{*10^3}$
V_{TO}	Threshold voltage		125			0.95	V
r_T	On-state slop resistance					0.36	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=1050A$	25			1.45	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		180	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		2.5	V
I_H	Holding current			20		100	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.090	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.04	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}=1mA$ (MAX)		3600			V
F_m	Thermal connection torque(M5)					4.5	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					1340	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

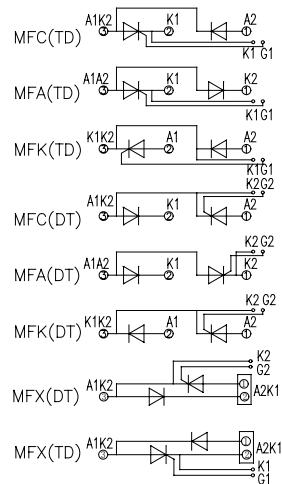
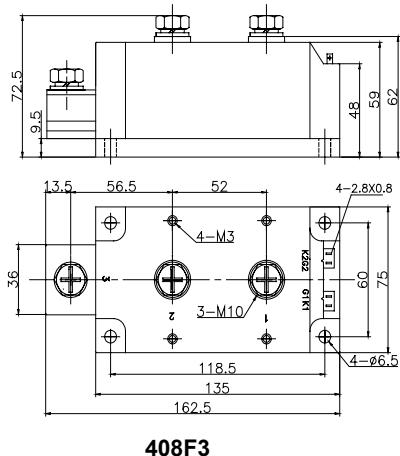
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 400A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 12KA
 I^2t $720A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			400	A
$I_{T(RMS)}$	RMS on-state current		125			628	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			12.0	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				720	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state slop resistance			125		0.49	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=1200A$	25			1.52	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.080	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.024	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				6.0		$N\cdot m$
	Mounting torque(M6)				3.0		$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					2300	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

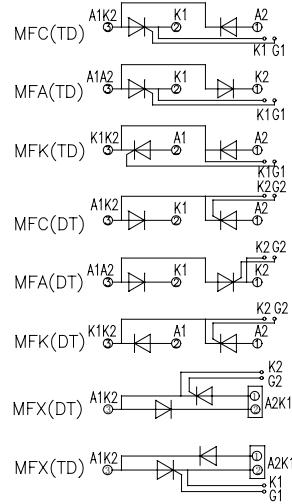
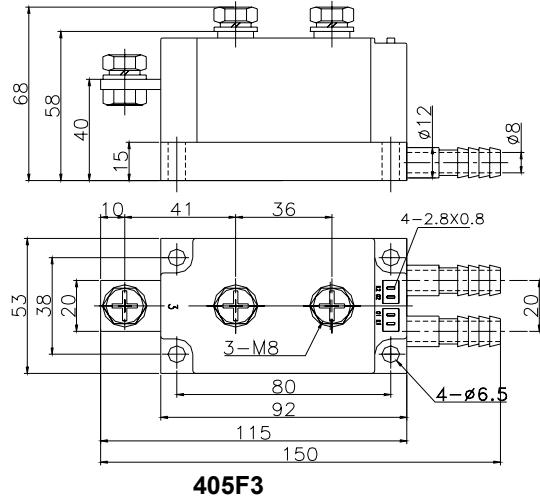
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 400A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 8.5KA
 I^2t $361A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			400	A
$I_{T(RMS)}$	RMS on-state current		125			628	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			8.50	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				361	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					0.80	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=1200A$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.110	$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}=1mA$ (MAX)		2500			V
F_m	Thermal connection torque(M5)					4.5	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					1300	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

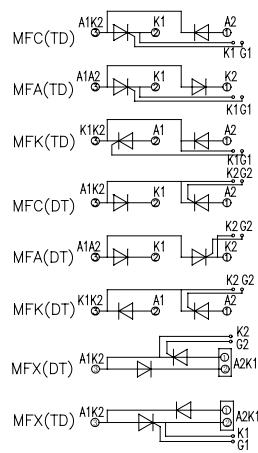
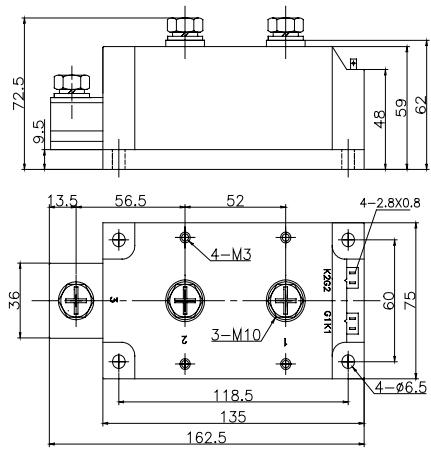
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 500A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 16A $\times 10^3$
 I^2t 1280A 2 S $\times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			500	A
$I_{T(RMS)}$	RMS on-state current		125			785	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			40	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			16	KA
I^2t	I^2T for fusing coordination	$V_F=60\%V_{RRM}$				1280	A 2 s $\times 10^3$
V_{TO}	Threshold voltage		125			0.8	V
r_T	On-state slop resistance					0.34	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=1500A$	25			1.44	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1		3	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125	0.2			V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.065	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled				0.024	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				12		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature		-40			125	°C
W_t	Weight					2300	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

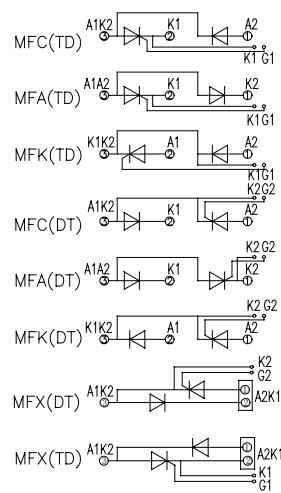
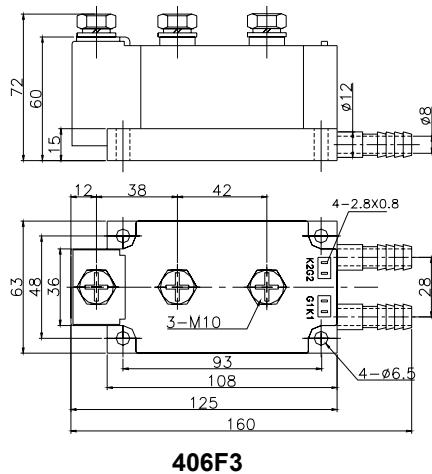
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 500A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 11KA
 I^2t 605A² S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_j (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^\circ\text{C}$	125			500	A
$I_{T(RMS)}$	RMS on-state current		125			785	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200\text{V}$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			40	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			11.0	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				605	$\text{A}^2\text{s}^{*10^3}$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					0.64	$\text{m}\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=1500\text{A}$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$\text{V}/\mu\text{s}$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$\text{A}/\mu\text{s}$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12\text{V}, I_A=1\text{A}$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.087	$^\circ\text{C}/\text{W}$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					$^\circ\text{C}/\text{W}$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1\text{mA}$ (MAX)		2500			V
F_m	Thermal connection torque(M5)				4.5		$\text{N}\cdot\text{m}$
	Mounting torque(M6)				3.0		$\text{N}\cdot\text{m}$
T_{stg}	Stored temperature			-40		125	$^\circ\text{C}$
W_t	Weight				1300		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

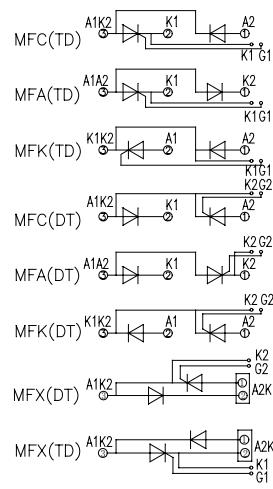
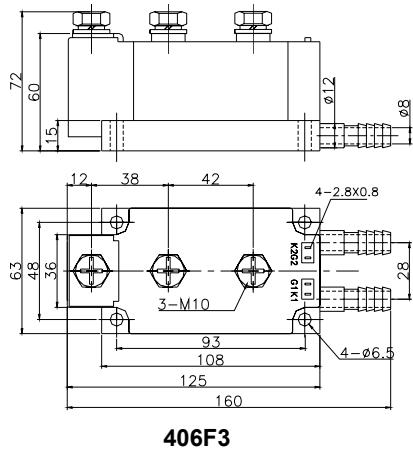
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 600A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 13KA
 I^2t $845A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T _J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, T _C =85°C	125			600	A
$I_{T(RMS)}$	RMS on-state current		125			942	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			40	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			13.0	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				845	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state slop resistance			125		0.53	mΩ
V_{TM}	Peak on-state voltage	$I_{TM}=1800A$	25			1.90	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.073	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					°C/W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)				6.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				1820		g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

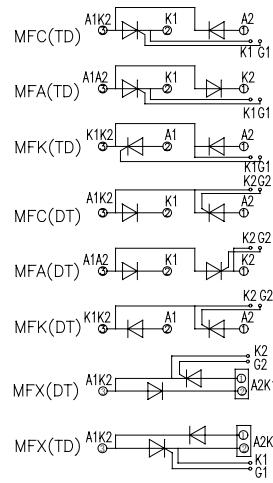
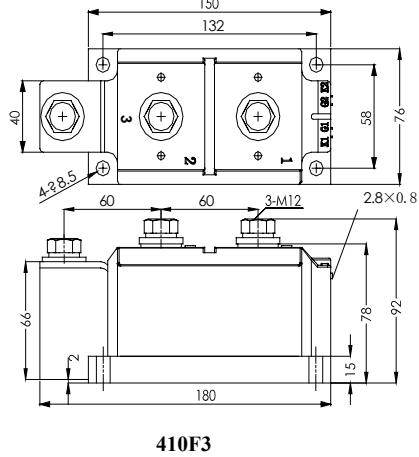
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 800A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 16KA
 I^2t 1280A² S*10³



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}\text{C})$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}\text{C}$	125			800	A
$I_{T(RMS)}$	RMS on-state current		125			1256	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RsM}=V_{DRM} \& V_{RRM}+200\text{V}$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			40	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			16.0	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				1280	$\text{A}^2\text{s} \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state slop resistance					0.42	$\text{m}\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=2400\text{A}$	25			1.95	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DN}=67\%V_{DRM}$	125			800	$\text{V}/\mu\text{s}$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$\text{A}/\mu\text{s}$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12\text{V}, I_A=1\text{A}$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DN}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.015	$^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					$^{\circ}\text{C}/\text{W}$
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, $I_{iso}=1\text{mA}$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					7.5	$\text{N}\cdot\text{m}$
	Mounting torque(M6)					4.5	$\text{N}\cdot\text{m}$
T_{stg}	Stored temperature		-40			125	$^{\circ}\text{C}$
W_t	Weight					3500	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

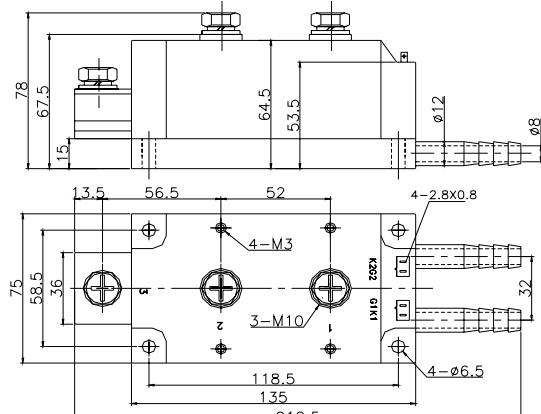
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 800A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 16KA
 I^2t $1280A^2 S \times 10^3$

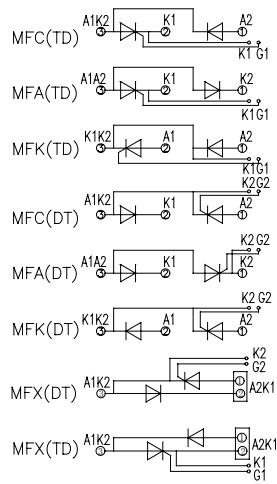


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			800	A
$I_{T(RMS)}$	RMS on-state current		125			1256	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			40	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			16.0	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				1280	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					0.42	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=2400A$	25			1.95	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.054	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					6.0	$N\cdot m$
	Mounting torque(M6)					3.0	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					2600	g

Outline:



409F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

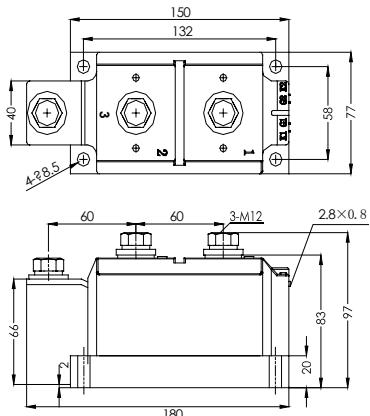
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 1000A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 20KA
 I^2t 2000A² S*10³

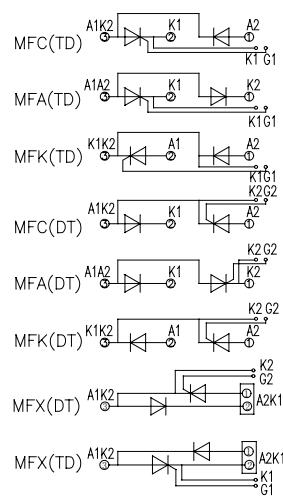


SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			1000	A
$I_{T(RMS)}$	RMS on-state current		125			1570	A
V_{DRM}	Repetitive peak off-state voltage	V_{DRM} & V_{RRM} tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	V_{DSM} & V_{RSM} = V_{DRM} & V_{RRM} +200V respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			60	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			20.0	KA
I^2t	I^2t for fusing coordination	V_R =60% V_{RRM}				2000	A ² s*10 ³
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					0.34	mΩ
V_{TM}	Peak on-state voltage	I_{TM} =3000A	25			1.96	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	V/μs
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	A/μs
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V$, $I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.053	°C/W
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					°C/W
V_{iso}	Isolation voltage	50Hz, R.M.S, t=1min, I_{iso} :1mA(MAX)	2500				V
F_m	Thermal connection torque(M5)					7.5	N·m
	Mounting torque(M6)					4.5	N·m
T_{stg}	Stored temperature		-40			125	°C
W_t	Weight					3800	g

Outline:



412F3



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

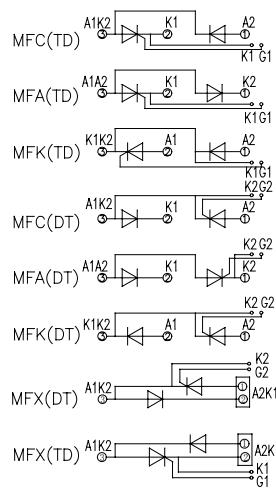
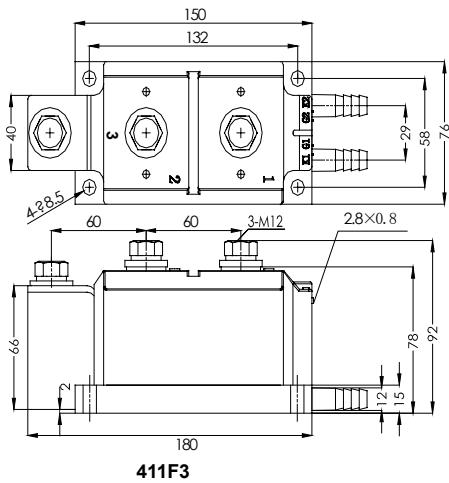
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 1000A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 20KA
 I^2t $2000A^2 S \times 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	Tj(°C)	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, Tc=85°C	125			1000	A
$I_{T(RMS)}$	RMS on-state current		125			1570	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DSM} \& V_{RSM} = V_{DRM} \& V_{RRM} + 200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM} at V_{RRM}	125			50	mA
I_{TSM}	Surge on-state current	10ms half sine wave	125			20.0	KA
I^2t	I^2T for fusing coordination	$V_R=60\%V_{RRM}$				2000	$A^2s \times 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state drop resistance					0.33	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=3000A$	25			1.95	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125				V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.052	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					7.5	$N\cdot m$
	Mounting torque(M6)					4.5	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					3600	g

Outline:



Features:

- Isolated mounting base 2500V~
- Pressure contact technology with
- Increased power cycling capability
- Space and weight savings

Typical Applications:

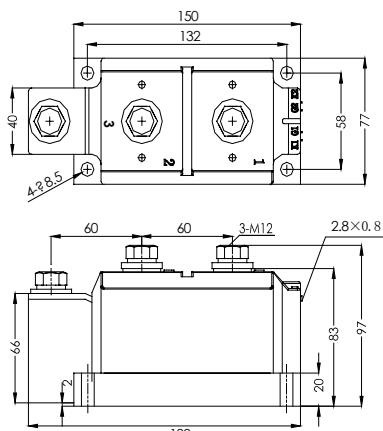
- AC/DC Motor drives
- Various rectifiers
- DC supply for PWM inverter

$I_{T(AV)}$ 1200A
 V_{DRM}/V_{RRM} 600~1800V
 I_{TSM} 24KA
 I^2t $2800A^2 S * 10^3$



SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_j(^{\circ}C)$	VALUE			UNIT
				Min	Type	Max	
$I_{T(AV)}$	Mean on-state current	180° half sine wave 50Hz Single side cooled, $T_c=85^{\circ}C$	125			1200	A
$I_{T(RMS)}$	RMS on-state current		125			1884	A
V_{DRM}	Repetitive peak off-state voltage	$V_{DRM} \& V_{RRM}$ tp=10ms	125	600		1800	V
V_{RRM}	Repetitive peak reverse voltage	$V_{DRM} \& V_{RRM}=V_{DRM} \& V_{RRM}+200V$ respectively					
I_{DRM}	Repetitive peak current	at V_{DRM}	125			70	mA
I_{RRM}		at V_{RRM}					
I_{TSM}	Surge on-state current	10ms half sine wave	125			24.0	KA
I^2t	I^2t for fusing coordination	$V_R=60\%V_{RRM}$				2800	$A^2s * 10^3$
V_{TO}	Threshold voltage		125			0.80	V
r_T	On-state slop resistance					0.29	$m\Omega$
V_{TM}	Peak on-state voltage	$I_{TM}=3000A$	25			1.98	V
dv/dt	Critical rate of rise of off-state voltage	$V_{DM}=67\%V_{DRM}$	125			800	$V/\mu s$
di/dt	Critical rate of rise of on-state current	Gate source 1.5A tr 0.5 μs Repetitive	125			100	$A/\mu s$
I_{GT}	Gate trigger current			30		200	mA
V_{GT}	Gate trigger voltage	$V_A=12V, I_A=1A$	25	1.0		3.0	V
I_H	Holding current			20		150	mA
V_{GD}	Non-trigger gate voltage	$V_{DM}=67\%V_{DRM}$	125			0.2	V
$R_{th(j-c)}$	Thermal resistance Junction to case	Single side cooled				0.051	$^{\circ}C/W$
$R_{th(c-h)}$	Thermal resistance case to heatsink	Single side cooled					$^{\circ}C/W$
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}=1mA$ (MAX)	2500				V
F_m	Thermal connection torque(M5)					7.5	$N\cdot m$
	Mounting torque(M6)					4.5	$N\cdot m$
T_{stg}	Stored temperature			-40		125	$^{\circ}C$
W_t	Weight					3800	g

Outline:



412F3

