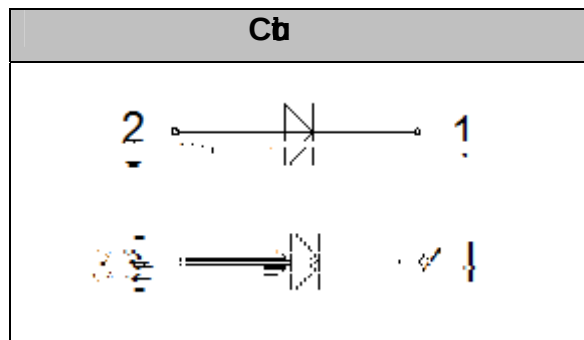
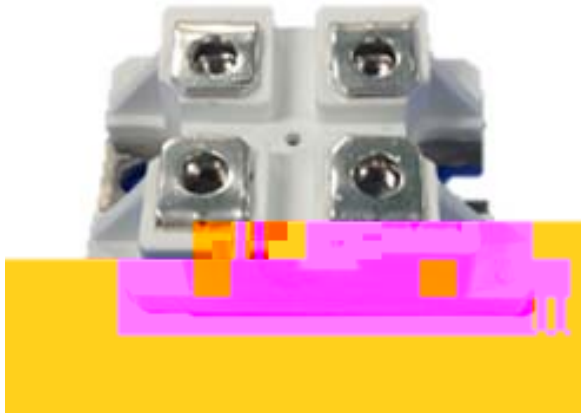




FRD M

V_R 0
I_{FAV} 2 h

A

y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V

F

y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V
y 0.5V

Table 1

Symbol	Parameter	Value	Unit
V_R	Reverse Voltage	0	V
V_{RM}	Maximum Reverse Voltage	0	V
I_R	T_C	0	A
	T_C	0	A
	T_C	0	A
I_{RM}	T_C	8	A
I_{SM}	T_C	6	A
	T_C	6	A
I^2t	T_J	0	A ² s
	T_J	0	A ² s
P_D	Power Dissipation	0	W
T_J	Junction Temperature	0	°C
T_S	Storage Temperature	0	°C
θ	Thermal Resistance	1	°C/W
θ	Thermal Resistance	0	°C/W
θ	Thermal Resistance	0	°C/W
θ	Thermal Resistance	2	°C/W

Table 2

Symbol	Parameter	Value	Unit
R_p	Power Resistance	0	W

Electrical Characteristics

Symbol	Conditions	Unit			Typical Value
		Min	Max	Test Condition	
I_{RM}	$V_R=600V$	--	--	0.1	mA
	$V_R=600V, T_J=125^{\circ}C$	--	--	1	mA
V_F	$I_F=60A$	--	1.2	1.4	V
	$I_F=60A, T_J=125^{\circ}C$	--	1.05	1.25	V
trr	$I_F=1A, V_R=30V, di_F/dt=-200A/s$	--	50	60	ns
trr I_{RRM}	$V_R=300V, I_F=60A, di_F/dt=-200A/s, T_J=25^{\circ}C$	--	75	--	ns

Thermal Characteristics

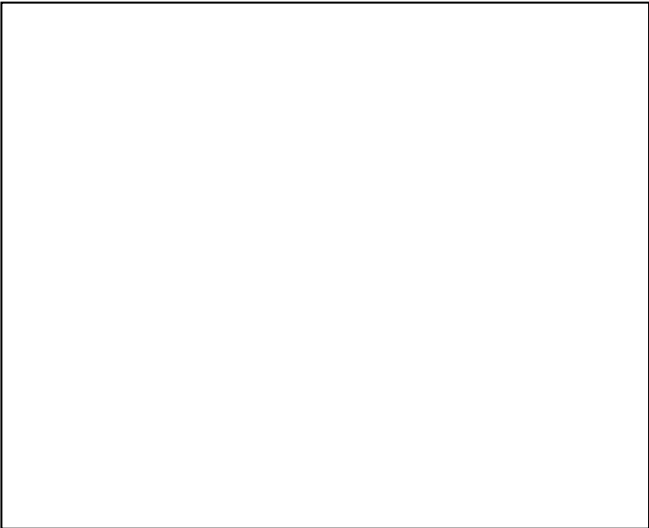


Fig. Thermal Characteristics

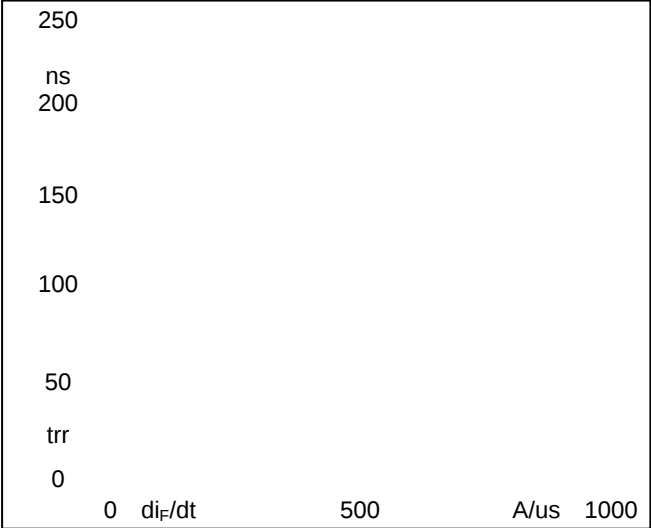


Fig. trr vs di_F/dt



Fig. Thermal Characteristics



Fig. Thermal Characteristics



MF120DU06FJ