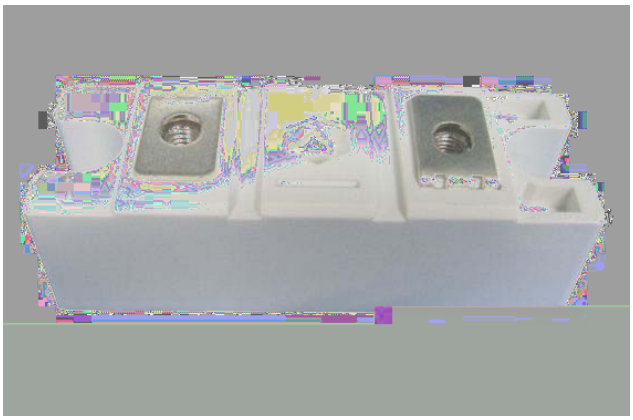


Maximum Ratings

Symbol	Conditions	Values	Units
V_R		1200	V
V_{RRM}		1200	V
$I_{F(AV)}$	T_C=90°C,	400	A
$I_{F(RMS)}$	T_C=90°C,	560	A
I_{FSM}	1/2 Cycle , 50Hz, Sine	3200	A
	1/2 Cycle , 60Hz, Sine	3500	A
I^2t	T_J=45°C, t=10ms, 50Hz, Sine	51200	A^2s
	T_J		

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
I_{RM}	V_R=1200V	--	--	1	mA
	V_R=1200V, T_J=125°C	--	--	5	mA
V_F	I_F=400A	--	1.9	2.1	V
	I_F=400A, T_J=125°C	--	1.75	1.9	V
trr	I_F=1A, V_R=30V, di_F/dt=-200A/ s	--	76	--	ns
trr	V_R=600V, I_F=400A, di_F/dt=-200A/ s, T_J=25°C	--	180	--	ns
I_{RRM}		--	15	--	A
trr	V_R=600V, I_F=400A, di_F/dt=-200A/ s, T_J=125°C	--	500	--	ns
I_{RRM}		--	35	--	A

Performance Curves

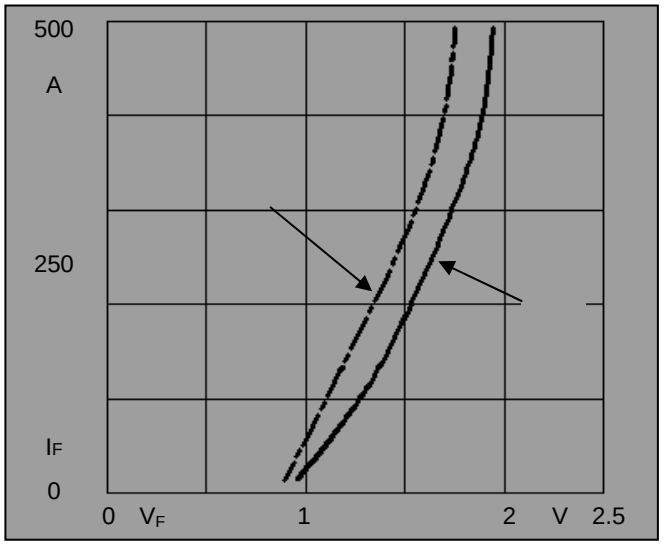


Fig1. Forward Voltage Drop vs Forward Current

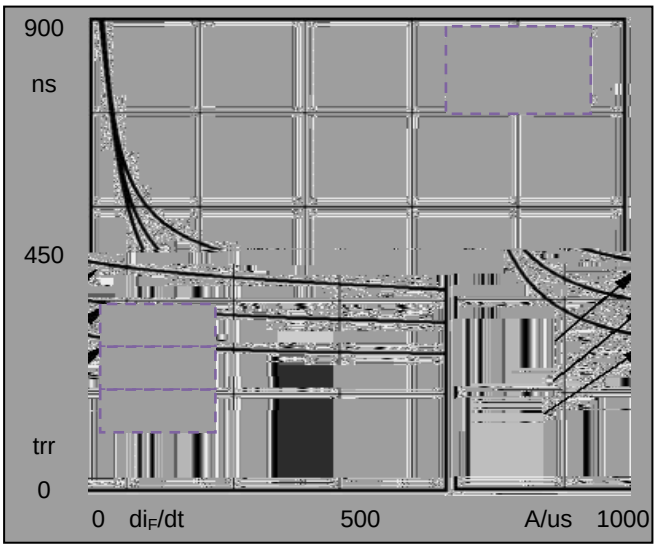


Fig2. Reverse Recovery Time vs di_F/dt

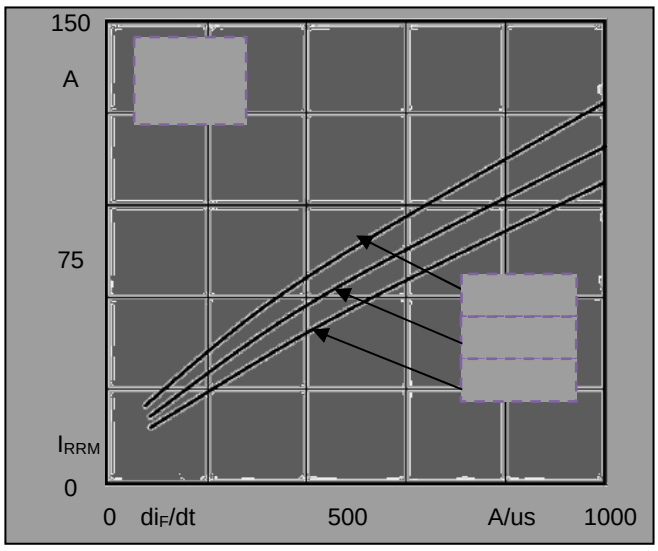


Fig3. Reverse Recovery Current vs di_F/dt

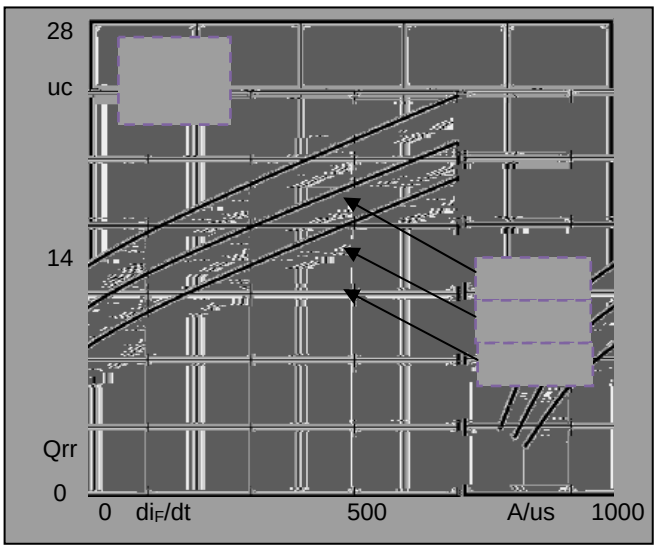


Fig4. Reverse Recovery Charge vs di_F/dt

Package Outline Information

CASE: F2



Dimensions in mm