



Maximum Ratings

Symbol	Conditions	Values	Units
V_R		1200	V
V_{RRM}		1200	V
$I_{F(AV)}$	$T_C=90^{\circ}\text{C}$, Per Leg	60	A
	$T_C=90^{\circ}\text{C}$, Per Module	120	A
$I_{F(RMS)}$	$T_C=90^{\circ}\text{C}$, Per Leg	84	A
I_{FSM}	1/2 Cycle , 50Hz, Sine	500	A
	1/2 Cycle , 60Hz, Sine		



Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
I_{RM}	$V_R=1200V$	--	--	0.5	mA
	$V_R=1200V, T_J=125^{\circ}C$	--	--	5	mA
V_F	$I_F=60A$	--	1.95	2.15	V
	$I_F=60A, T_J=125^{\circ}C$	--	1.65	1.85	V
t_{rr}	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$				

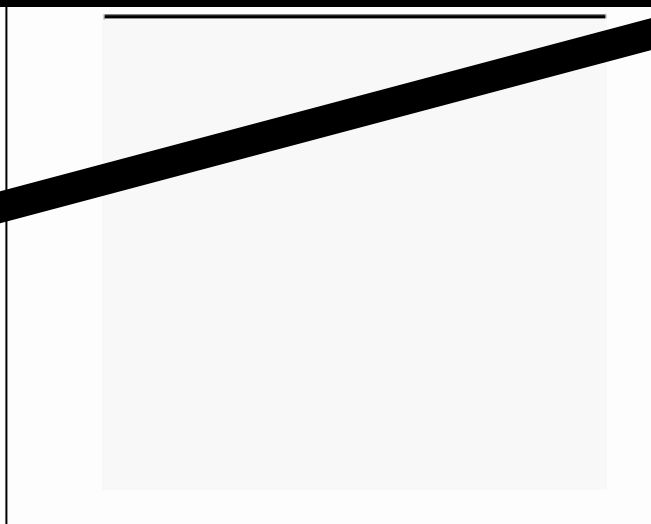


Fig1. Forward Voltage Drop vs Forward Current

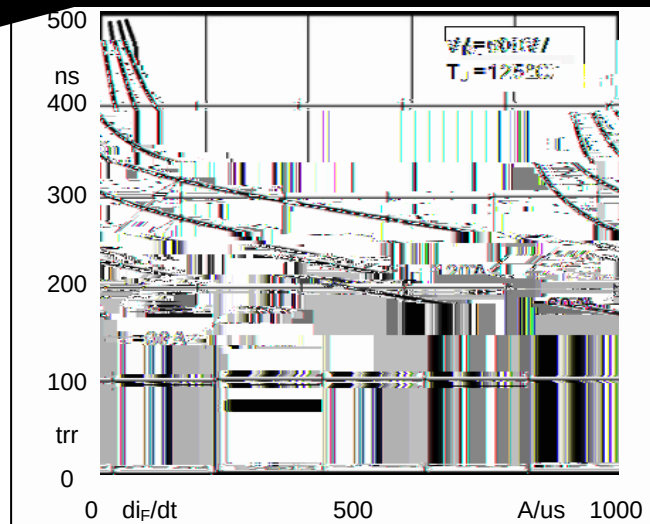


Fig2. Reverse Recovery Time vs di_F/dt



Fig3. Reverse Recovery Current vs di_F/dt

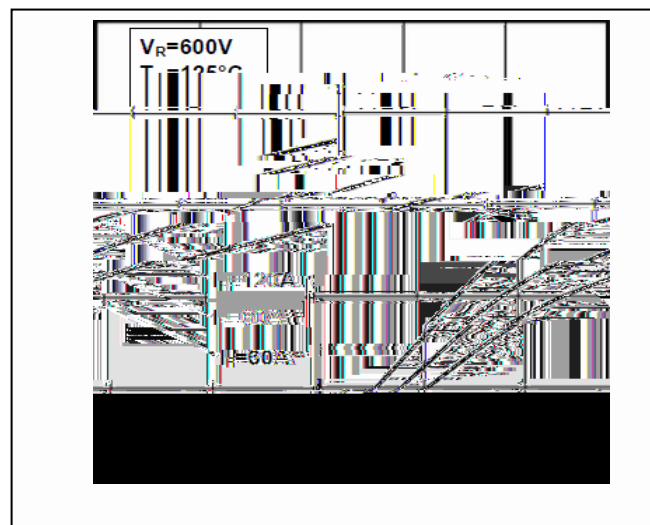


Fig4. Reverse Recovery Charge vs di_F/dt

