



### 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
$t_{rr}$	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$				

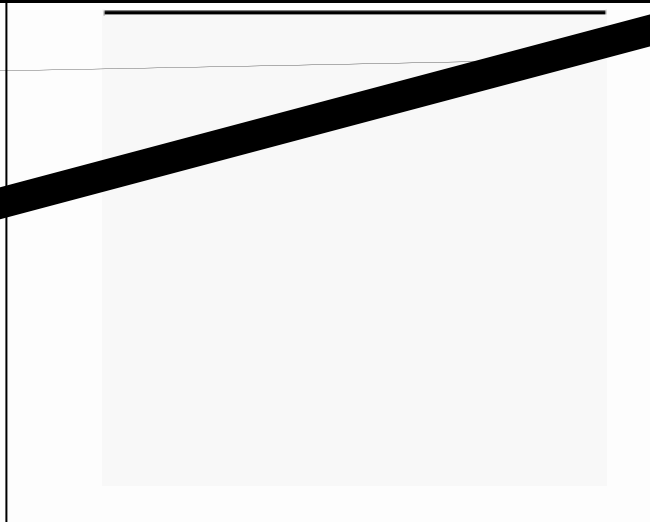


Fig1. Forward Voltage Drop vs Forward Current

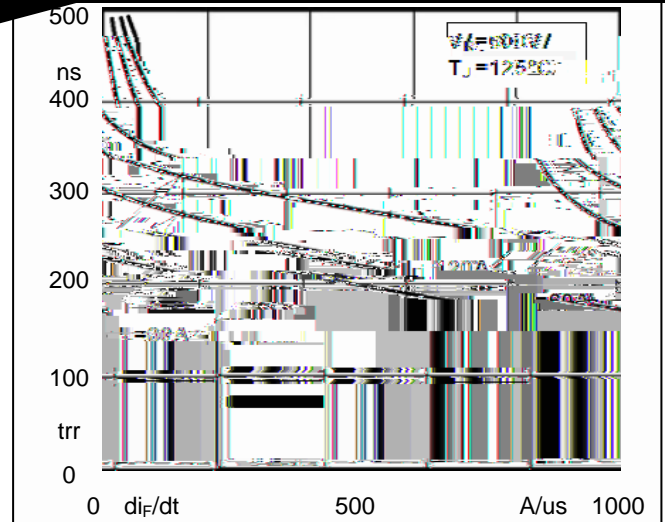


Fig2. Reverse Recovery Time vs  $di_F/dt$



Fig3. Reverse Recovery Current vs  $di_F/dt$

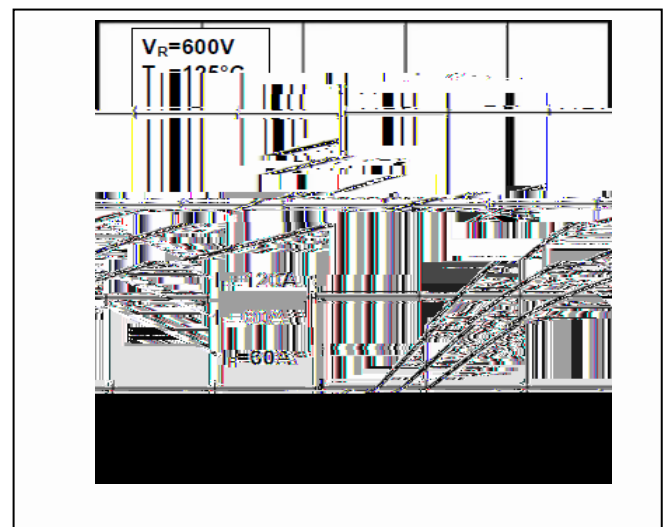


Fig4. Reverse Recovery Charge vs  $di_F/dt$

