



**MF200A12F2**

## Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
$I_{RM}$	$V_R=1200V$	--	--	1	mA
	$V_R=1200V, T_J=125^\circ C$	--	--	5	mA
$V_F$	$I_F=200A$	--	2.3		V
	$I_F=200A, T_J=125^\circ C$	--	1.9		V
$t_{rr}$	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$	--	57	--	ns
$t_{rr}$	$V_R=600V, I_F=200A, di_F/dt=-200A/\mu s, T_J=25^\circ C$	--	110	--	ns
$I_{RRM}$		--	9	--	A
$t_{rr}$	$V_R=600V, I_F=200A, di_F/dt=-200A/\mu s, T_J=125^\circ C$	--	500	--	ns
$I_{RRM}$		--	21	--	A

## Performance Curves

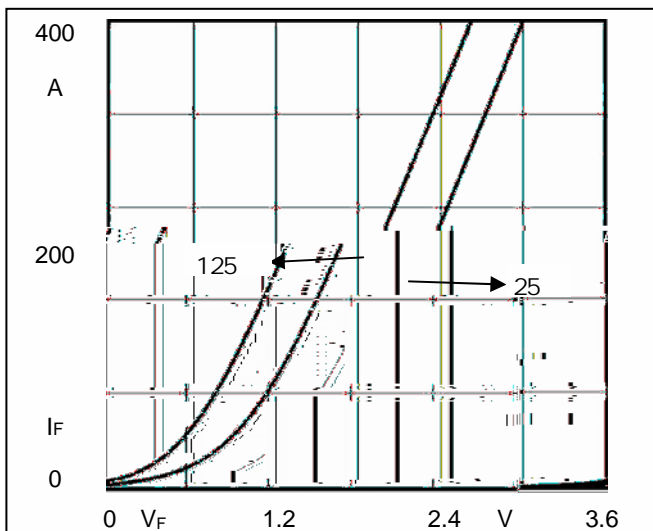


Fig1. Forward Voltage Drop vs Forward Current

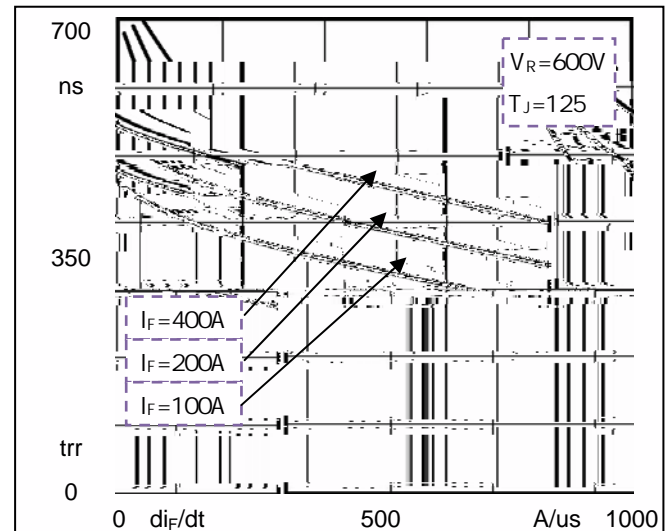


Fig2. Reverse Recovery Time vs  $di_F/dt$

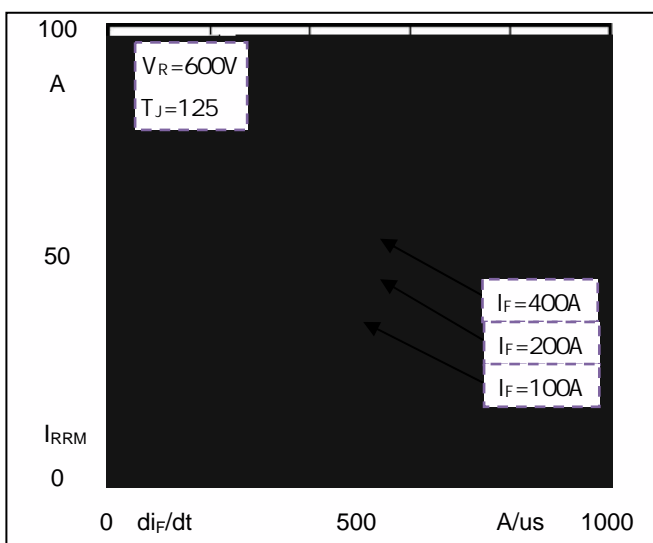


Fig3. Reverse Recovery Current vs  $di_F/dt$

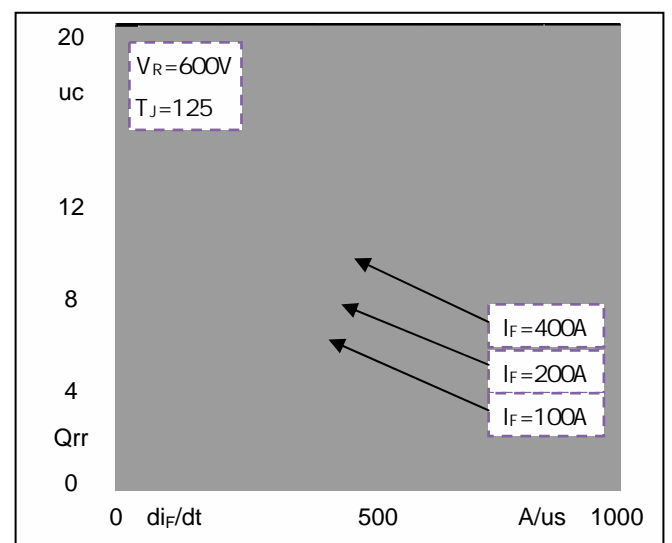


Fig4. Reverse Recovery Charge vs  $di_F/dt$



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