



MF100A12F5

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
I_{RM}	$V_R=1200V$	--	--	0.2	mA
	$V_R=1200V, T_J=125^{\circ}C$	--	--	2	mA
V_F	$I_F=100A$	--	1.65	1.75	V
	$I_F=100A, T_J=125^{\circ}C$	--	1.4	1.6	V
trr	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$	--	35	--	ns
trr	$V_R=600V, I_F=100A, di_F/dt=-200A/\mu s, T_J=25^{\circ}C$	--	150	--	ns
I_{RRM}		--	28	--	A
trr	$V_R=600V, I_F=100A, di_F/dt=-200A/\mu s, T_J=125^{\circ}C$	--	255	--	ns
I_{RRM}		--	48	--	A

Performance Curves

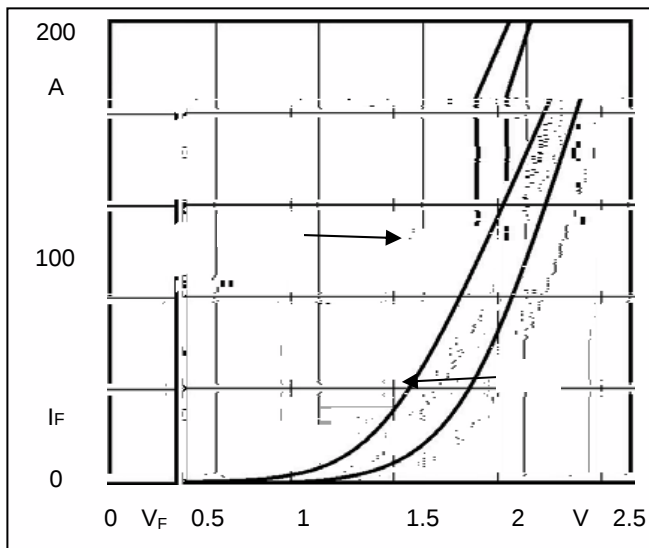


Fig1. Forward Voltage Drop vs Forward Current

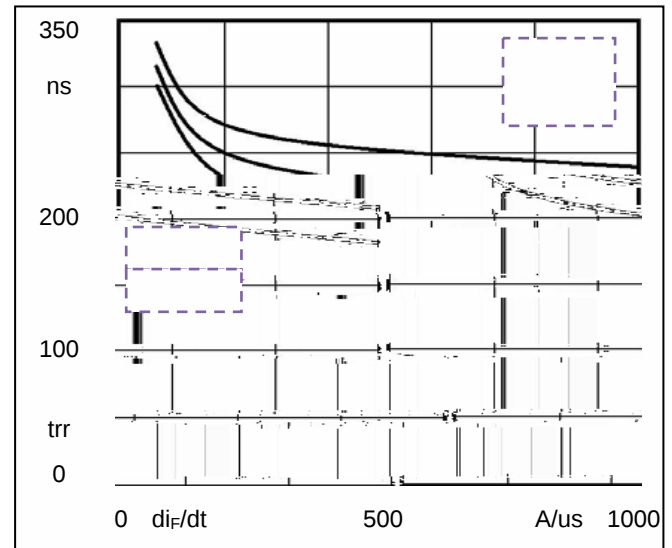


Fig2. Reverse Recovery Time vs di_F/dt

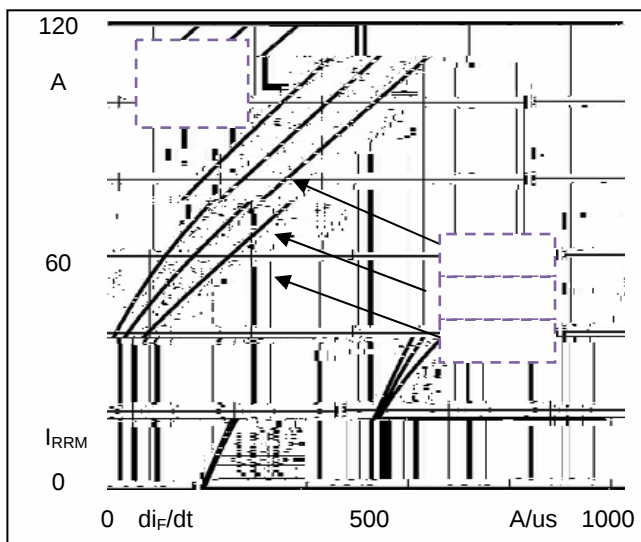


Fig3. Reverse Recovery Current vs di_F/dt

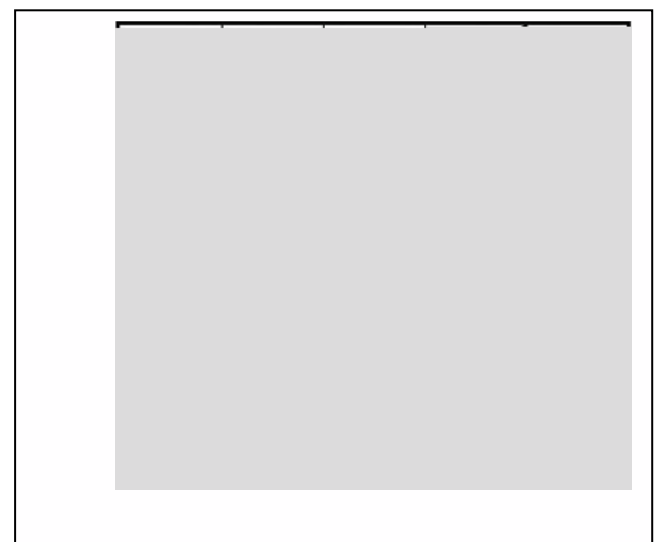


Fig4. Reverse Recovery Charge vs di_F/dt

Dimensions in mm