



**MF150K06F5**



# MF150K06F5

## Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
$I_{RM}$	$V_R=600V$	--	--	1	mA
	$V_R=600V, T_J=125^\circ C$	--	--	5	mA
$V_F$	$I_F=150A$	--	1.30	1.50	V
	$I_F=150A, T_J=125^\circ C$	--	1.24	1.44	V
$t_{rr}$	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$	--	50	--	ns
$t_{rr}$	$V_R=300V, I_F=150A, di_F/dt=-200A/\mu s, T_J=25^\circ C$	--	130	--	ns
$I_{RRM}$		--	14	--	A
$t_{rr}$	$V_R=300V, I_F=150A, di_F/dt=-200A/\mu s, T_J=125^\circ C$	--	220	--	ns
$I_{RRM}$		--	22	--	A

## Performance Curves

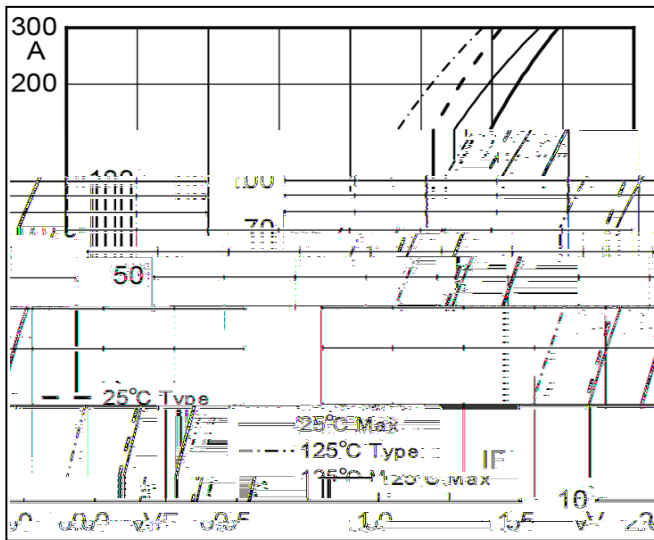


Fig1. Forward Voltage Drop vs Forward Current

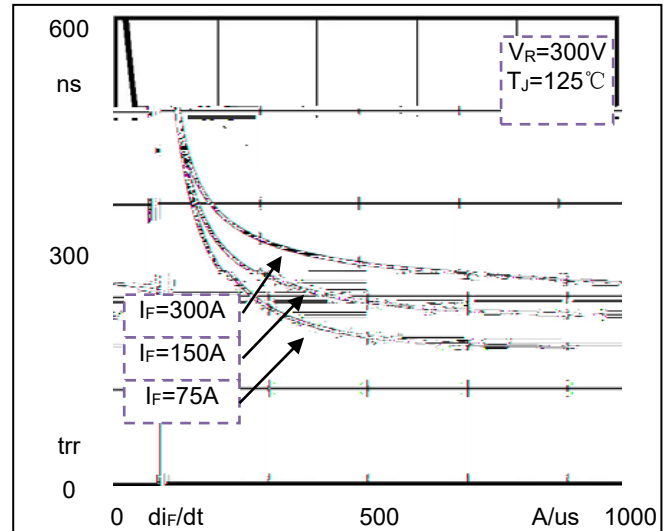


Fig2. Reverse Recovery Time vs  $di_F/dt$

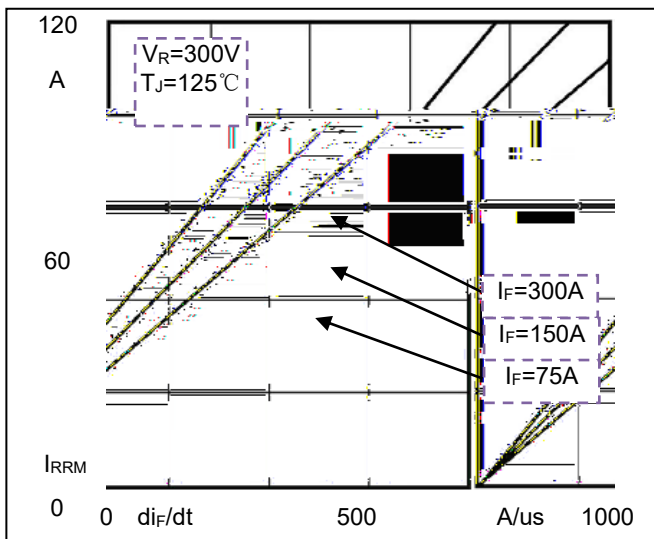


Fig3. Reverse Recovery Current vs  $di_F/dt$

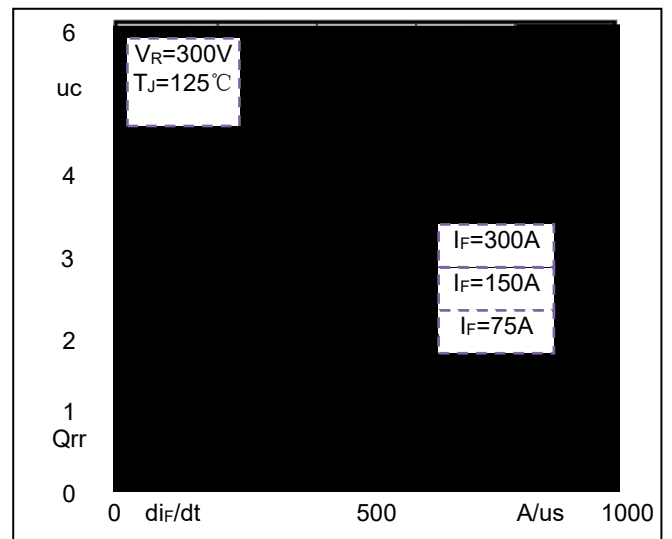


Fig4. Reverse Recovery Charge vs  $di_F/dt$



