



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

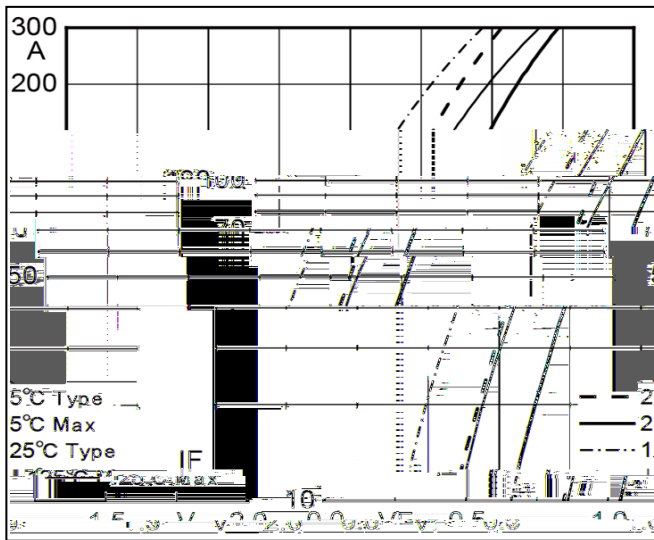


Fig1. Forward Voltage Drop vs Forward Current

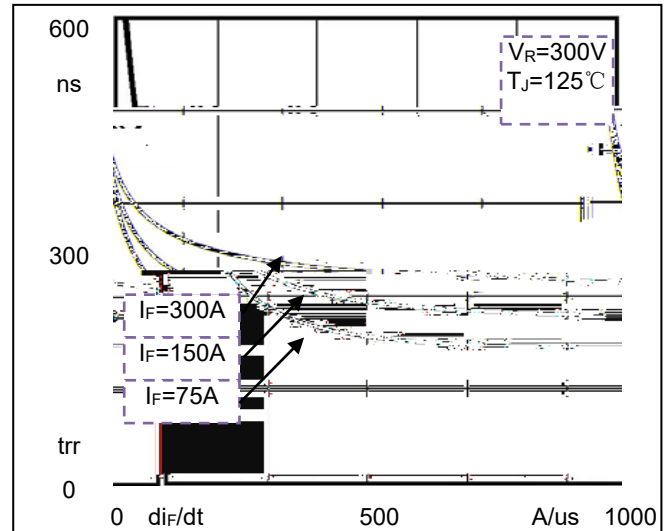


Fig2. Reverse Recovery Time vs di_F/dt

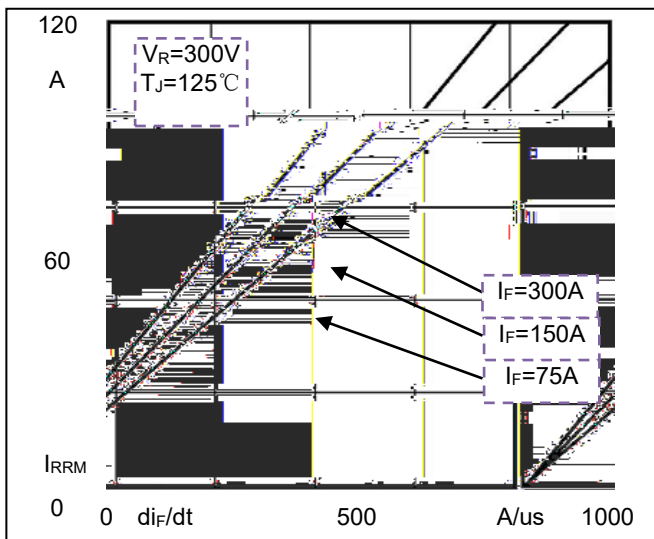


Fig3. Reverse Recovery Current vs di_F/dt

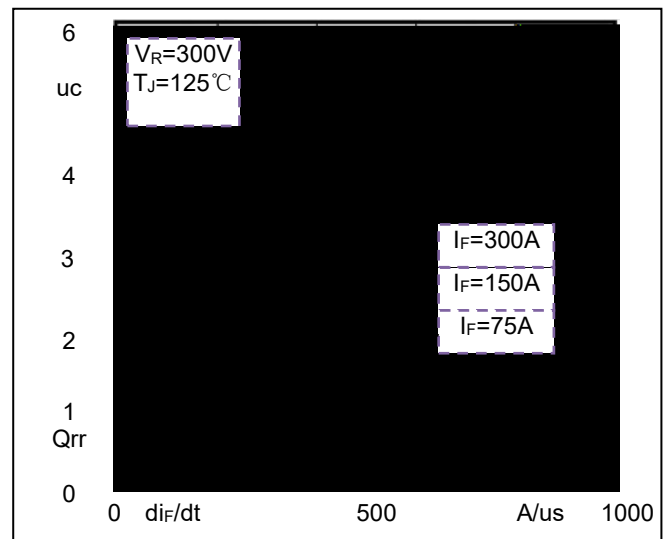
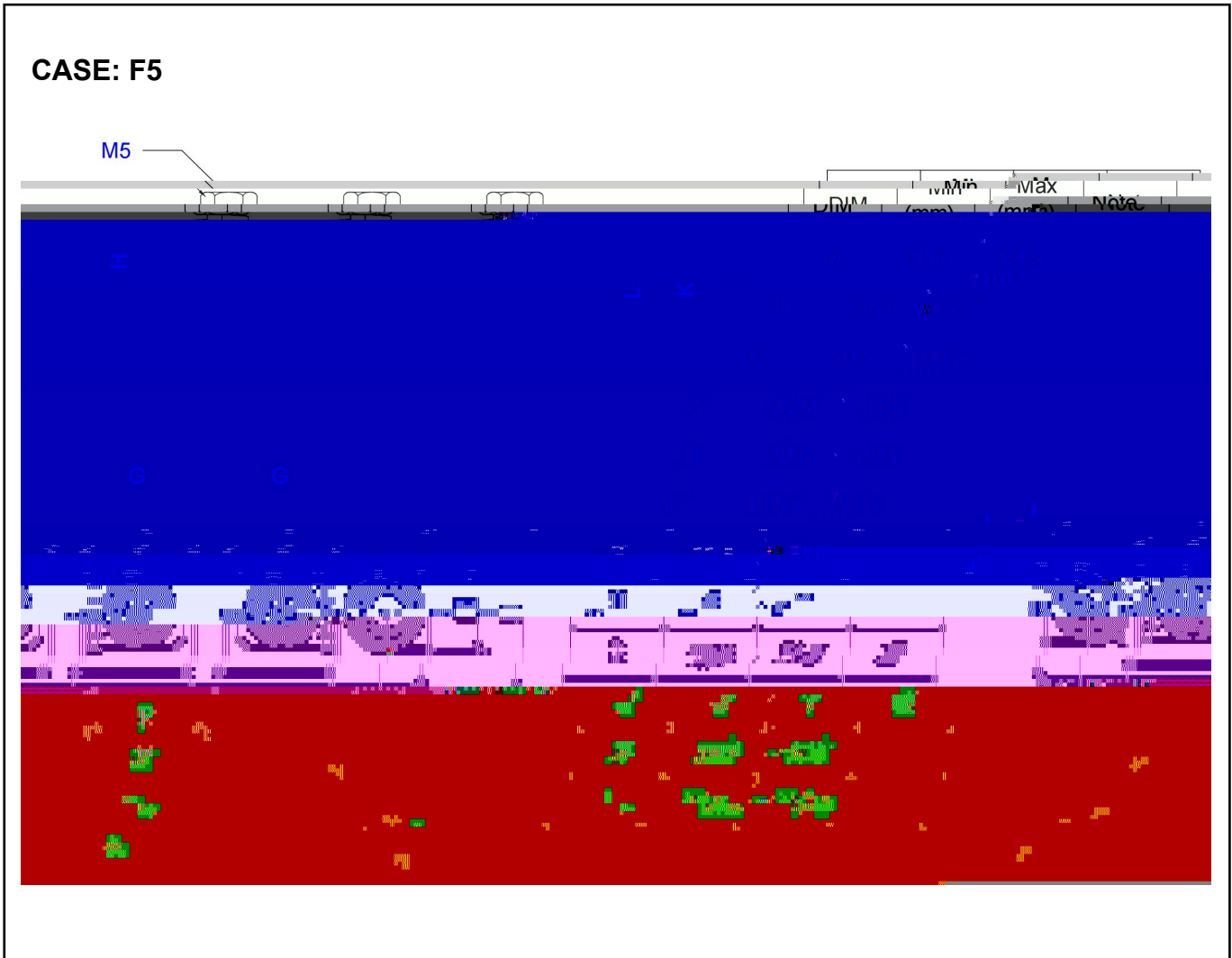


Fig4. Reverse Recovery Charge vs di_F/dt



Package Outline Information



Packing Standard

Item	Length: A (mm)	Width: B (mm)	Height: C (mm)	Quantity (PCS)
Inner Box	276	258	40	10
Outer Carton	545	295	240	120

