

FRD M

V_R 0
I_{FAV} 2 h0

Ap

- y 0V
- y 0V
- y 0V
- y 0V
- y 0V
- y 0V

Fb

- y 0V
- y 0V
- y 0V
- y 0V
- y 0V
- y 0V

Mb

Q	Cb	M	B
V _R		0	V
V _{RM}		0	V
I _R	T _C 0V	0	A
	T _C 0V	0	A
	T _C 0V	0	A
I _{RM}	T _C 0V	0	A
I _{SM}	0V	0	A
	0V	0	A
I ² t	T _J 0V	0	A ² s
	T _J 0V	0	A ² s
P _D	0	0	W
T _J		0V	C
T _S		0V	C
B	0V	1	An
Q	0V HW H	0	Nh
Q	0V HW H	0	Nh
MV		2	g

Mb

Q	Cb	M	B
R _p	0	0	W

Electrical Characteristics

Symbol	Conditions	Unit			Value
		M	Typ	M	
I_{RM}	$V_R=600V$	--	--	0.1	mA
	$V_R=600V, T_J=125^\circ C$	--	--	1	mA
V_F	$I_F=60A$	--	1.2	1.4	V
	$I_F=60A, T_J=125^\circ C$	--	1.05	1.25	V
trr	$I_F=1A, V_R=30V, di_F/dt=-200A/s$	--	50	60	ns
trr I_{RRM}	$V_R=300V, I_F=60A, di_F/dt=-200A/s, T_J=25^\circ C$	--	75	--	ns

Waveforms

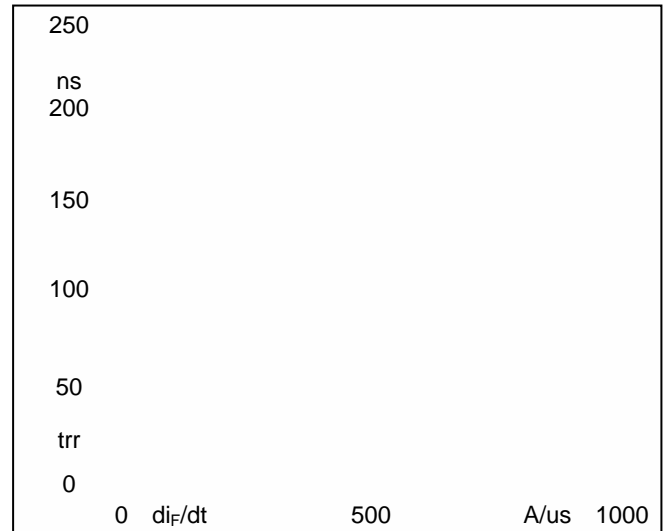


Fig. 1: Forward Current vs. Time

Fig. 2: trr vs di_F/dt



Fig. 3: Reverse Current vs. Time

Fig. 4: Reverse Current vs. Time



MF120DU06FJ