



Maximum Ratings

Symbol	Conditions	Values	Units
V_R	$D(t) / T_T$	4.1	V
T_j	T_T	100	°C
T_m		100	°C
T_c		100	°C
T_f		100	°C
T_{max}		100	°C
V_{max}		417.06	V
I_{max}		394.58	mA
P_{max}		400.62	mW
$R_{th(j-c)}$		9.9227	°C/W
$R_{th(j-a)}$		10.02	°C/W
$R_{th(c-a)}$		0.0001	°C/W

Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
I_{RM}	$V_R=400V$	--	--	1	mA
	$V_R=400V, T_J=125^\circ C$	--	--	2	mA
V_F	$I_F=200A$	--	1.1	1.35	V
	$I_F=200A, T_J=125^\circ C$	--	1.0	1.25	V
t_{rr}	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$	--	45	--	ns

Performance Curves

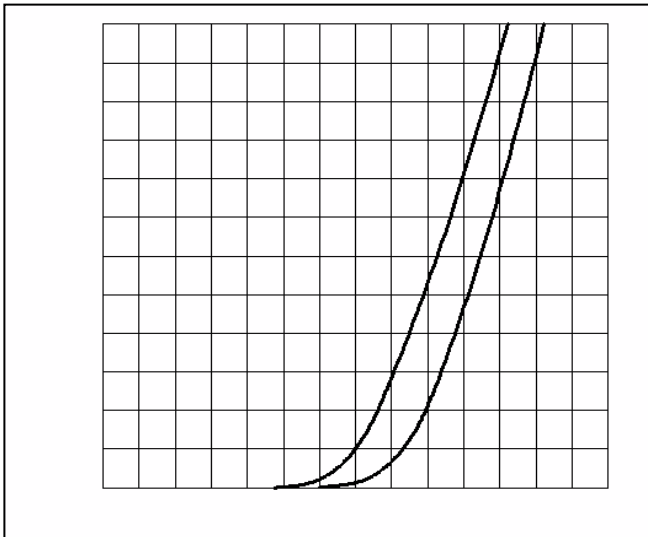


Fig1. Forward Voltage Drop vs Forward Current

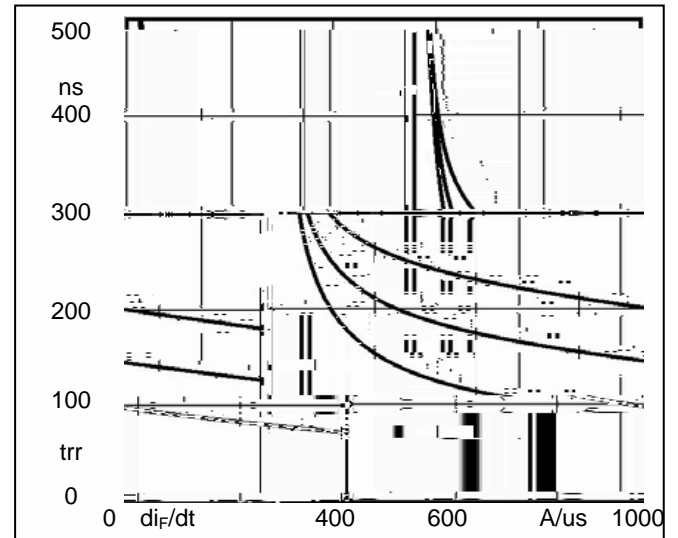


Fig2. Reverse Recovery Time vs di_F/dt



Fig3. Reverse Recovery Current vs di_F/dt

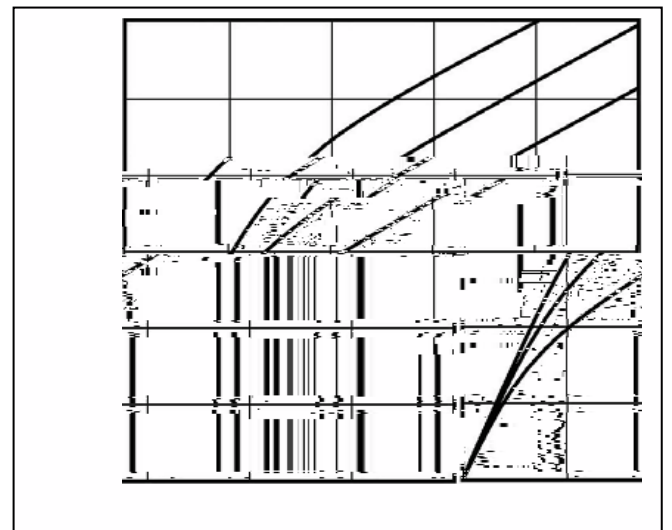


Fig4. Reverse Recovery Charge vs di_F/dt

