



### Maximum Ratings

Symbol	Conditions	Values	Units
$V_R$		1200	V
$V_{RRM}$		1200	V
$I_{F(AV)}$	$T_C=110^{\circ}\text{C}$ , Per Diode	100	A
$I_{F(RMS)}$	$T_C=110^{\circ}\text{C}$ , Per Diode	140	A
$I_{FSM}$	1/2 Cycle , 50Hz, Sine	1100	A
	1/2 Cycle , 60Hz, Sine	1200	A

## Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
$I_{RM}$	$V_R=1200V$	--	--	1	mA
	$V_R=1200V, T_J=125^\circ C$	--	--	5	mA
$V_F$	$I_F=100A$	--	1.58		V
	$I_F=100A, T_J=125^\circ C$	--	1.35		V
$t_{rr}$	$I_F=1A, V_R=30V, di_F/dt=-200A/\mu s$	--	55	--	ns
$t_{rr}$	$V_R=600V, I_F=100A, di_F/dt=-200A/\mu s, T_J=25^\circ C$	--	135	--	ns
$I_{RRM}$		--	10	--	A
$t_{rr}$	$V_R=600V, I_F=100A, di_F/dt=-200A/\mu s, T_J=125^\circ C$	--	380	--	ns
$I_{RRM}$		--	21	--	A

## Performance Curves

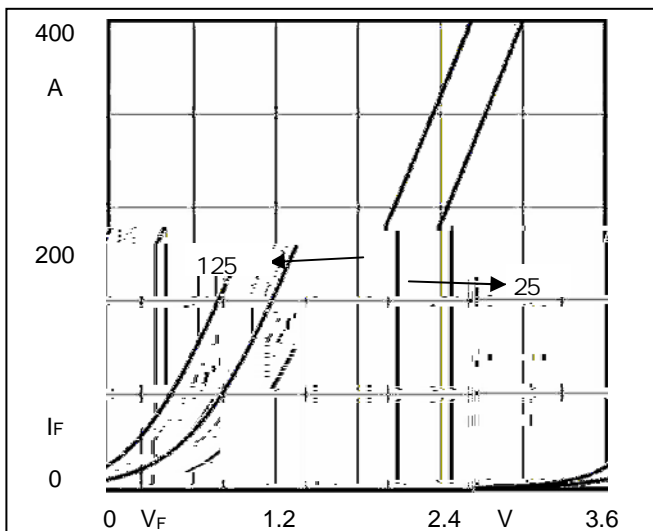


Fig1. Forward Voltage Drop vs Forward Current

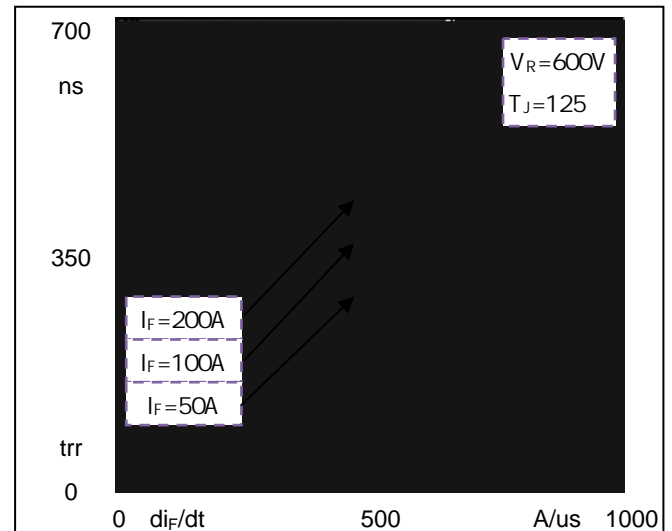


Fig2. Reverse Recovery Time vs  $di_F/dt$

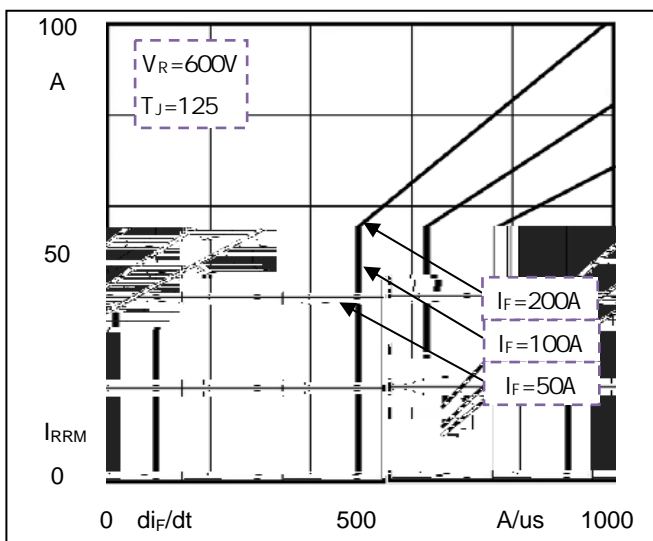


Fig3. Reverse Recovery Current vs  $di_F/dt$

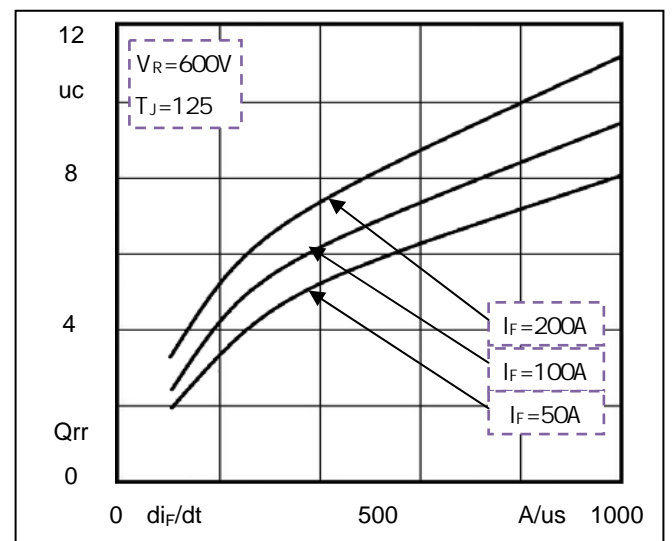
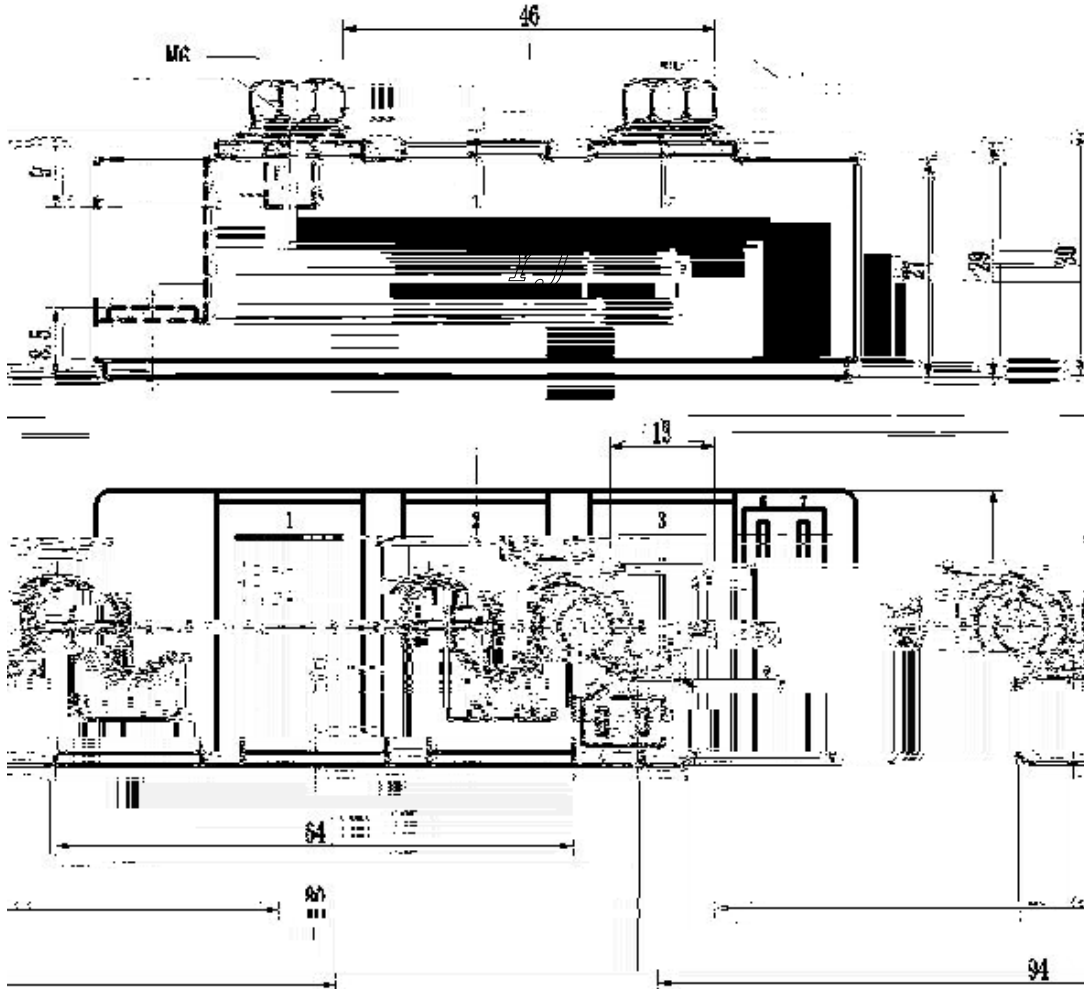


Fig4. Reverse Recovery Charge vs  $di_F/dt$



**Package Outline Information**

**CASE: F2**



**Dimensions in mm**