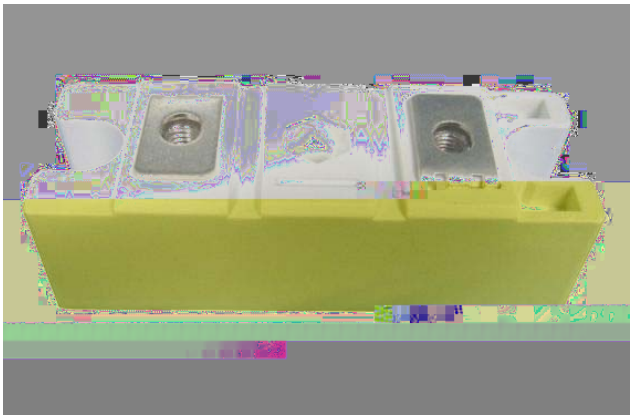


Maximum Ratings

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

Electrical Characteristics

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

Performance Curves

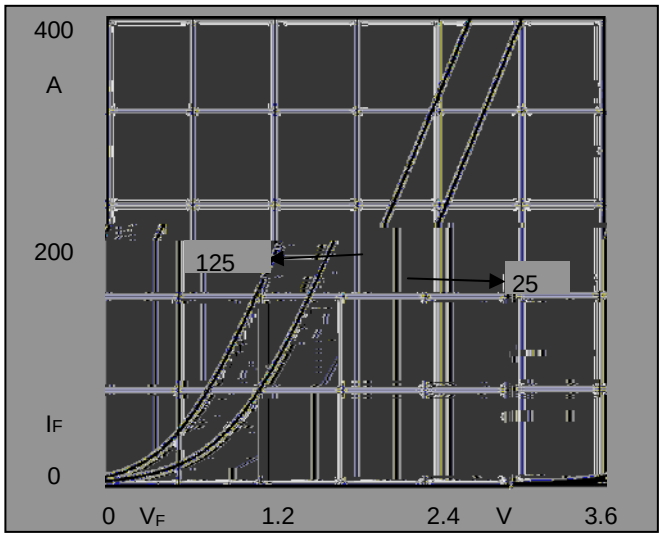


Fig1. Forward Voltage Drop vs Forward Current

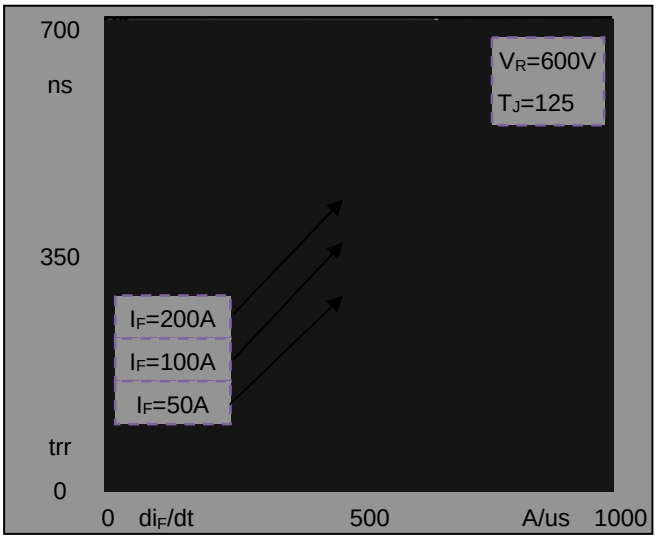


Fig2. Reverse Recovery Time vs di_F/dt

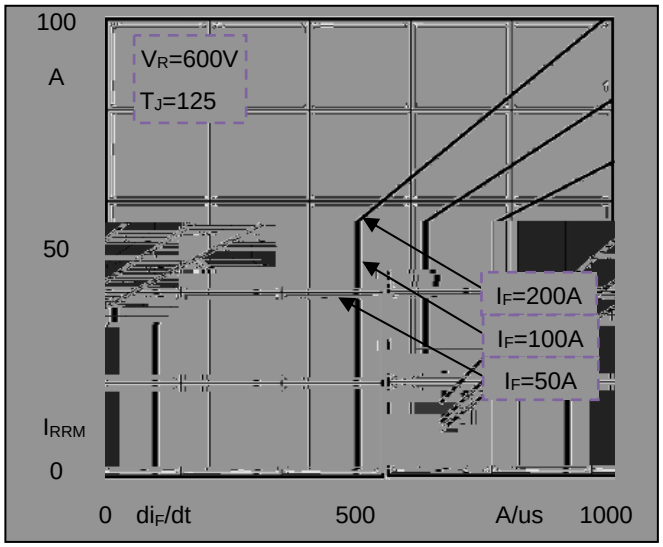


Fig3. Reverse Recovery Current vs di_F/dt

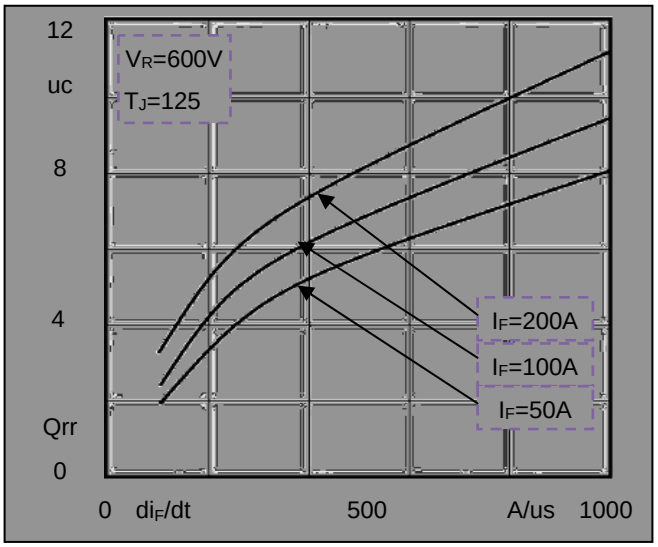
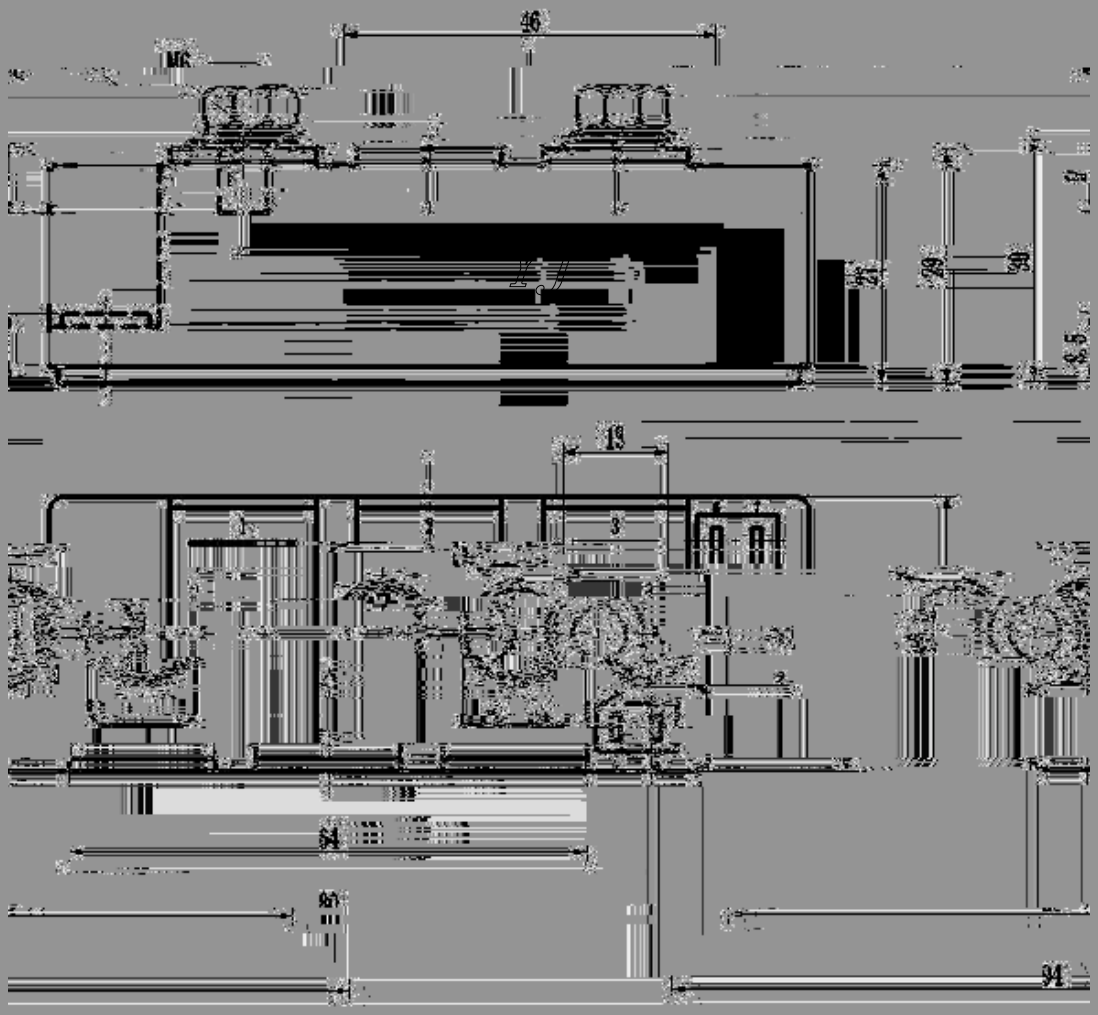


Fig4. Reverse Recovery Charge vs di_F/dt

Package Outline Information

CASE: F2



Dimensions in mm