

### Maximum Ratings

Symbol	Conditions	Values	Units
$V_R$		1200	V
$V_{RRM}$		1200	V
$I_{F(AV)}$	$T_C=110^{\circ}\text{C}$	200	A
$I_{F(RMS)}$	$T_C=110^{\circ}\text{C}$	280	A
$I_{FSM}$	1/2 Cycle , 50Hz, Sine	1800	A
$I^2t$	$T_J=45^{\circ}\text{C}$ , $t=10\text{ms}$ , 50Hz, Sine	16200	$\text{A}^2\text{s}$
$P_D$		568	W
Visol	AC, $T_{on}=1\text{min}$	3000	V
$T_J$		-40 to +150	$^{\circ}\text{C}$
$T_{STG}$		-40 to +125	$^{\circ}\text{C}$

Torque

## Electrical Characteristics

Symbol	Conditions	Values
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### Performance Curves

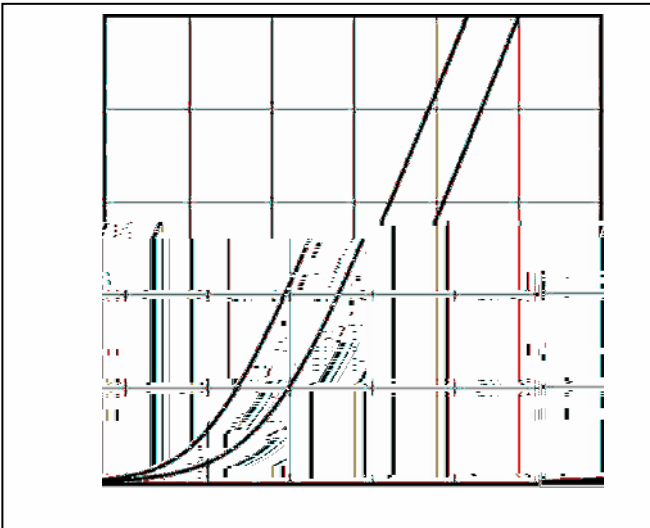


Fig1. Forward Voltage Drop vs Forward Current

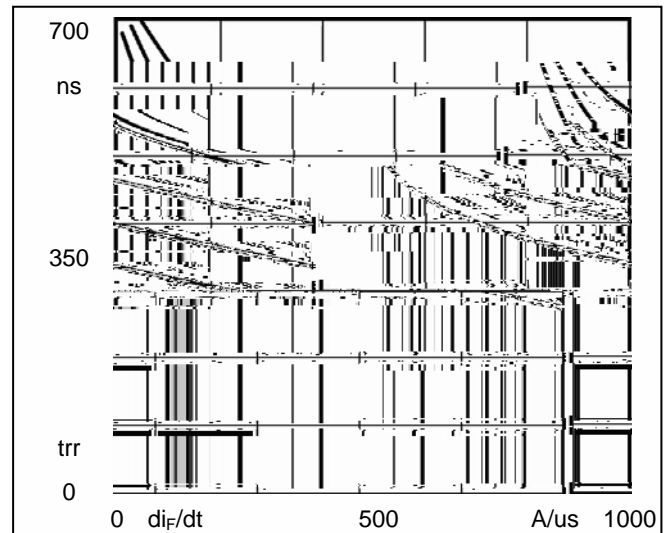


Fig2. Reverse Recovery Time vs  $di_F/dt$



Fig3. Reverse Recovery Current vs  $di_F/dt$

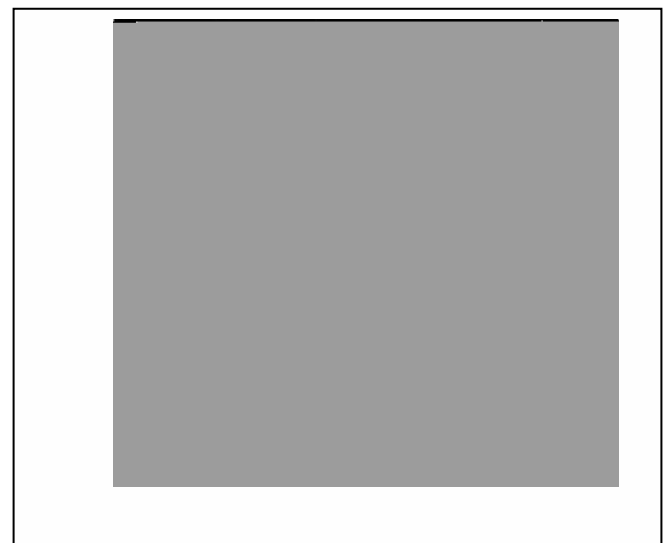
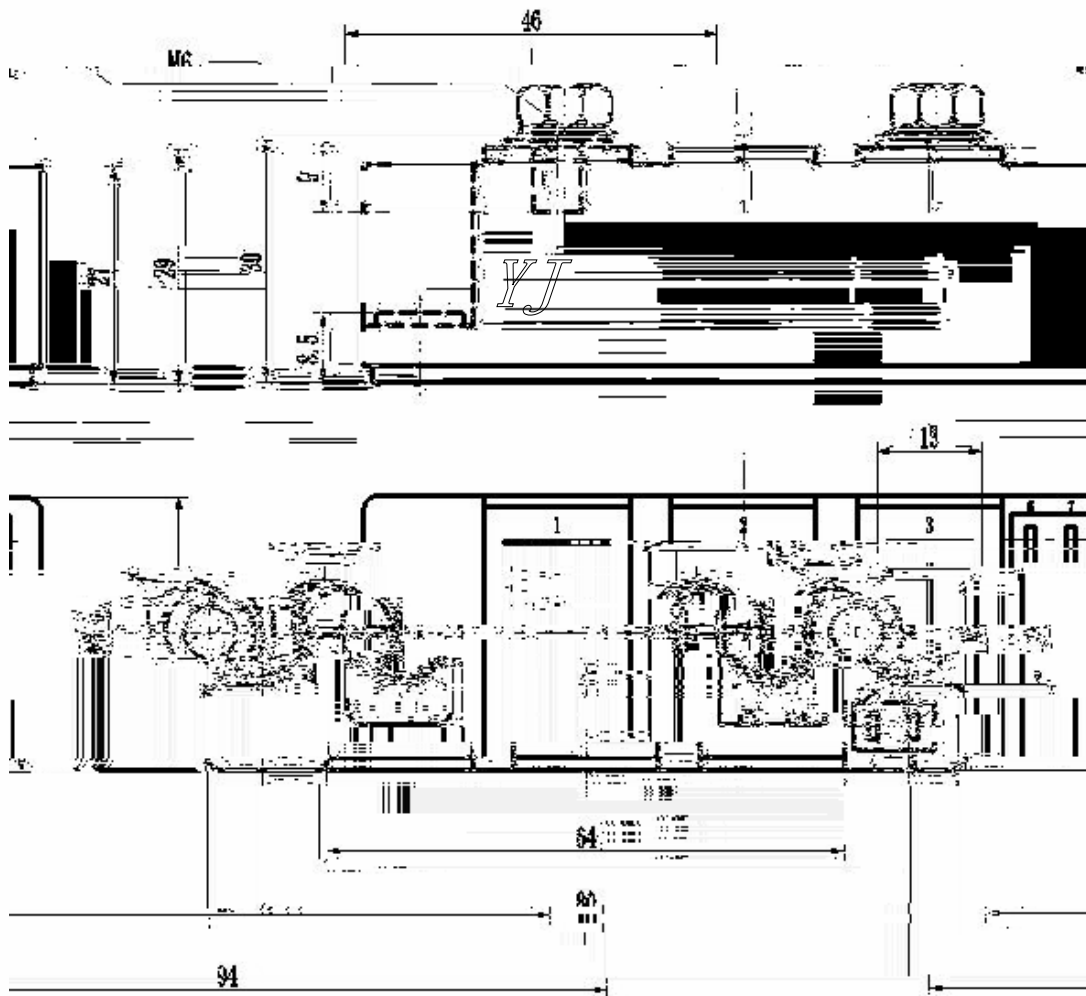


Fig4. Reverse Recovery Charge vs  $di_F/dt$



Package Outline Information

CASE: F2



Dimensions in mm