



# MF100A12F5

## Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
$I_{RM}$	$V_R=1200V$	--	--	0.2	mA
	$V_R=1200V, T_J=125^\circ C$	--	--	2	mA
$V_F$	$I_F=100A$	--	1.65	1.75	V
	$I_F=100A, T_J=125^\circ C$	--	1.4	1.6	V
$t_{rr}$	$I_F=1A, V_R=30V, di_F/dt=-200A/s$	--	35	--	ns
$t_{rr}$	$V_R=600V, I_F=100A, di_F/dt=-200A/s, T_J=25^\circ C$	--	150	--	ns
$I_{RRM}$		--	28	--	A
$t_{rr}$	$V_R=600V, I_F=100A, di_F/dt=-200A/s, T_J=125^\circ C$	--	255	--	ns
$I_{RRM}$		--	48	--	A

## Performance Curves

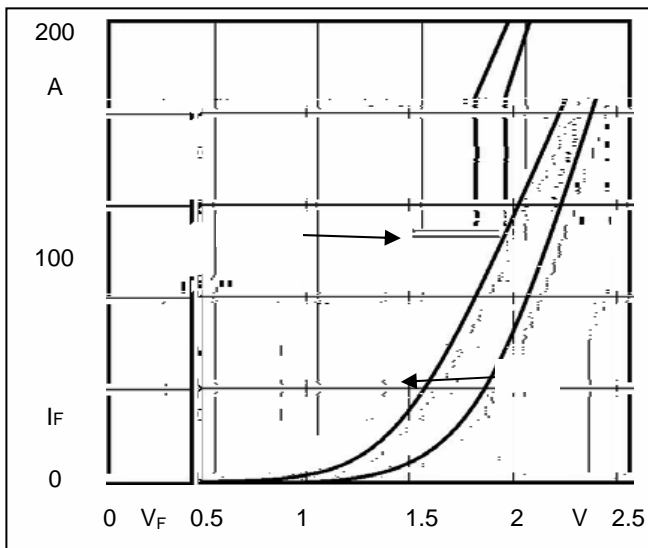


Fig1. Forward Voltage Drop vs Forward Current

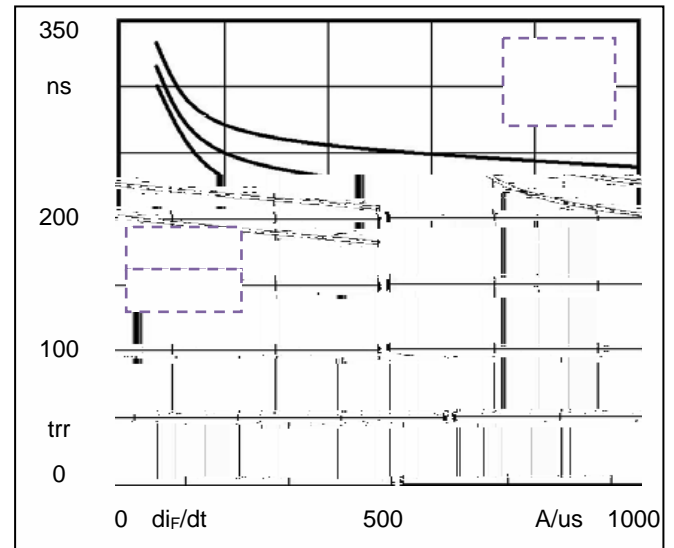


Fig2. Reverse Recovery Time vs  $di_F/dt$

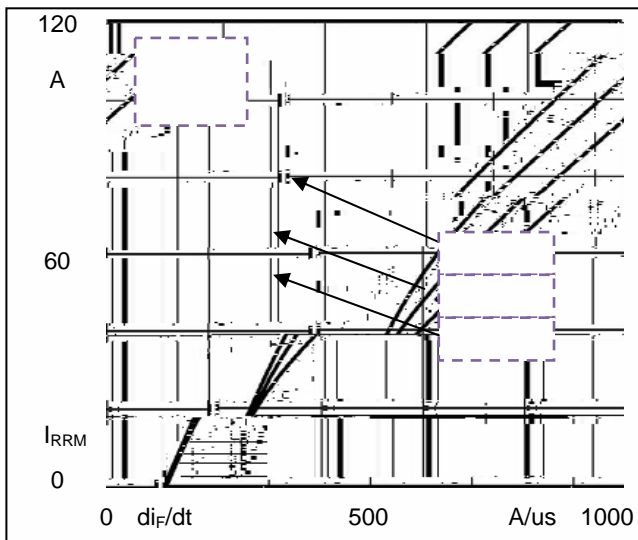


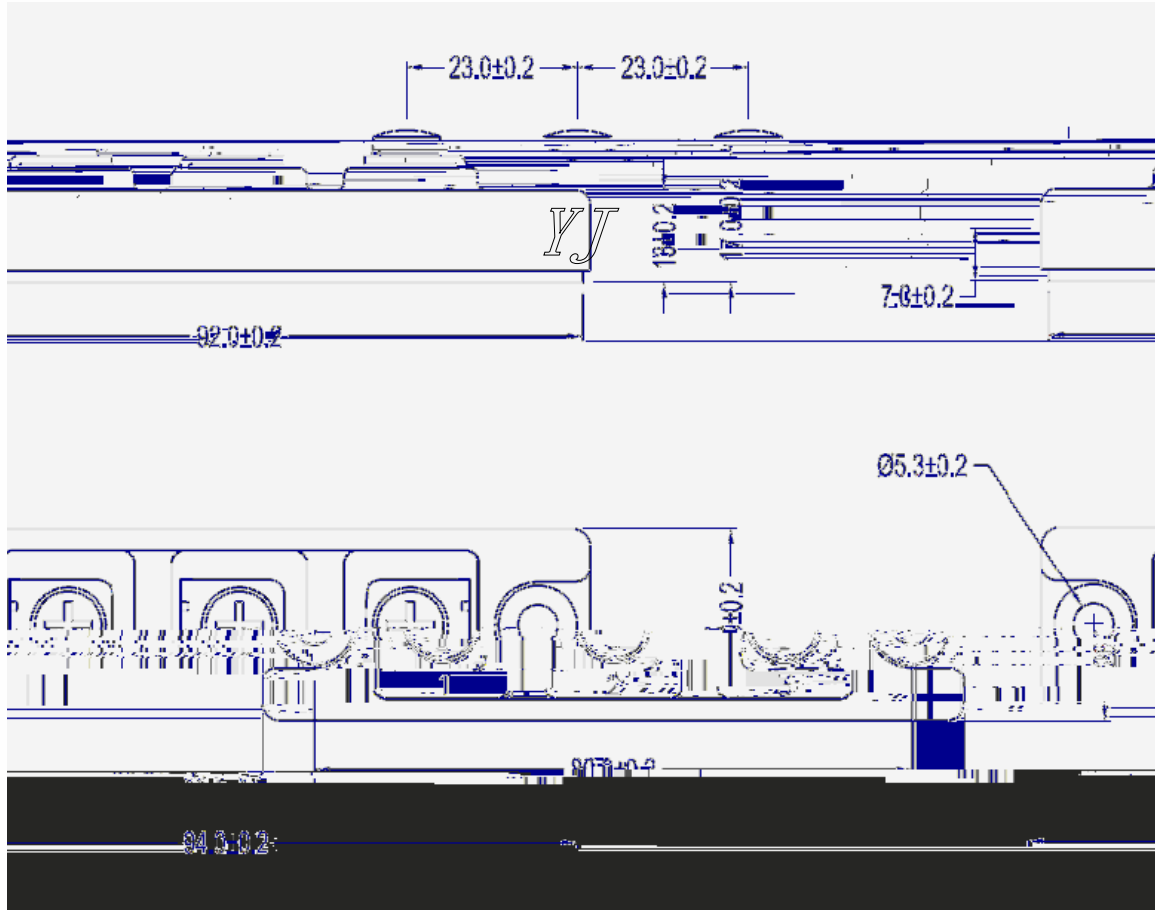
Fig3. Reverse Recovery Current vs  $di_F/dt$



Fig4. Reverse Recovery Charge vs  $di_F/dt$

**Package Outline Information**

**CASE: F5**



**Dimensions in mm**