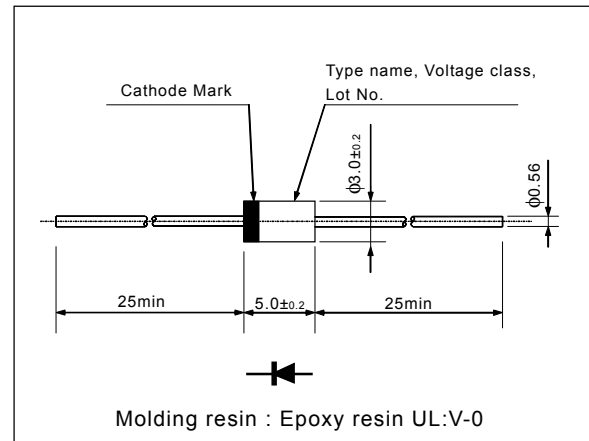


## Fast Recovery Diode (FRD)

## Outline drawings, mm



## Features

- High voltage
- High speed switching
- High reliability by planer design

## Applications

- High speed switching

## Maximum ratings and characteristics

- Absolute maximum ratings

Item	Symbol	Conditions	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$		1300	V
Non-repetitive peak reverse voltage	$V_{RRSM}$		1300	V
Average output current	$I_{FM}$	Resistive load $T_a=40^\circ\text{C}$	1.0	A
Surge current	$I_{FSM}$	Sine wave 10ms, $t_{shot}$	30	A
Operating junction temperature	$T_j$		-40 to +150	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-40 to +150	$^\circ\text{C}$

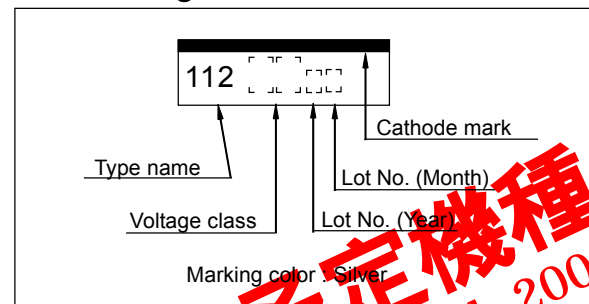
- Electrical characteristics (at  $T_a=25^\circ\text{C}$  unless otherwise specified )

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$I_{FM}=1.0\text{A}$	1.3	V
Reverse current	$I_{RRM}$	$V_R=V_{RRM}$	50	$\mu\text{A}$
Reverse recovery time	$t_{rr}$	$I_F=0.1\text{A}, I_R=0.1\text{A}, I_{rec}=0.01\text{A}$	1.5	$\mu\text{s}$

- Mechanical characteristics

Approximate mass	0.3	g
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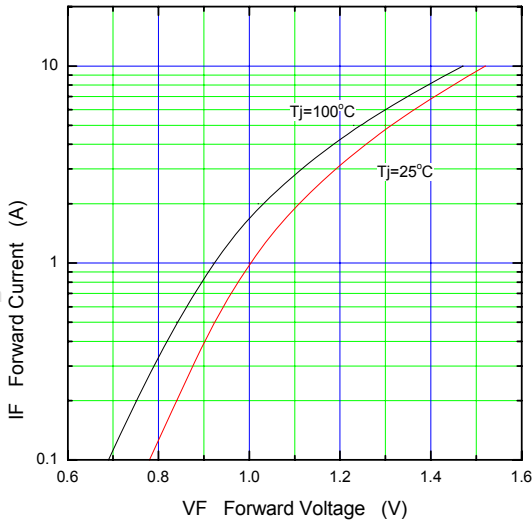
## Marking



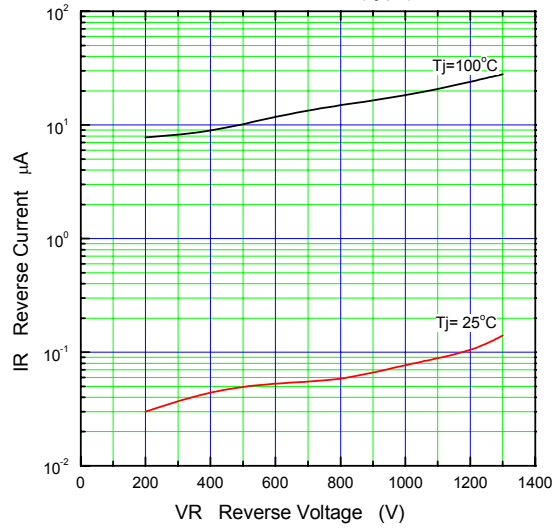
2007年3月 保守廃止予定機種  
This product is scheduled to be obsolete on march 2007.  
Not recommend for new design.

■ Characteristics

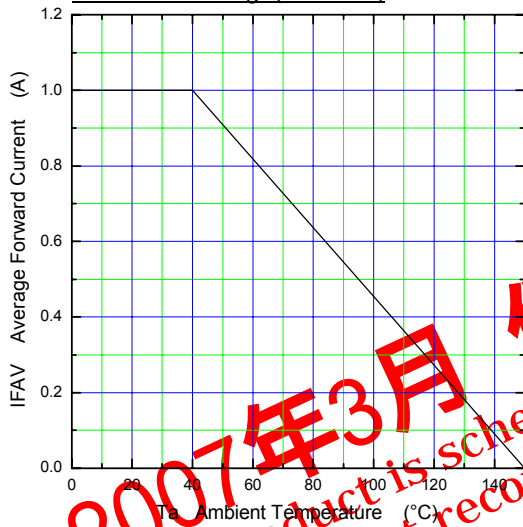
Forward Characteristic (typ.)



Reverse Characteristic (typ.)



Current Derating (IFAV-Ta)



Junction Capacitance Characteristic (typ.)



2007年3月 保守廃止予定機種  
This product is scheduled to be obsolete on march 2007.  
Not recommend for new design.