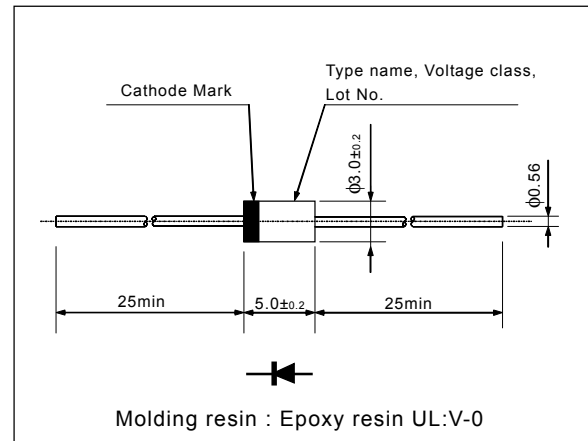


Fast Recovery Diode (FRD)

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	$^\circ\text{C}$

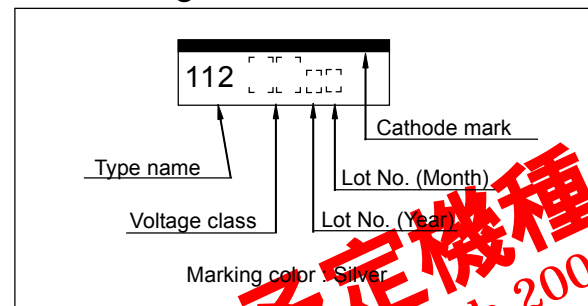
- Electrical characteristics (at $T_a=25^\circ\text{C}$ unless otherwise specified)

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	μA
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	μs

- Mechanical characteristics

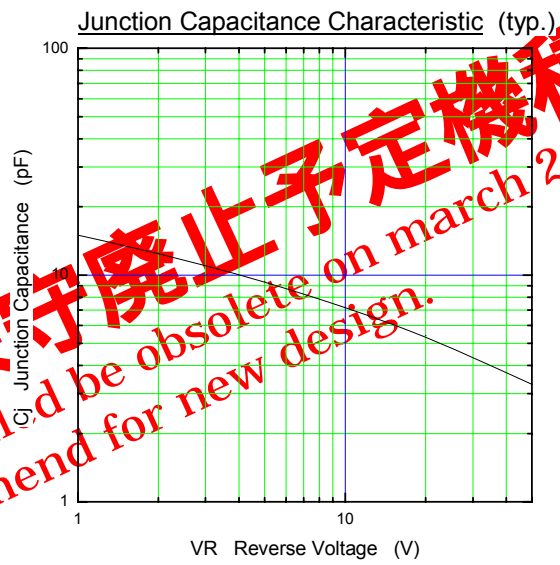
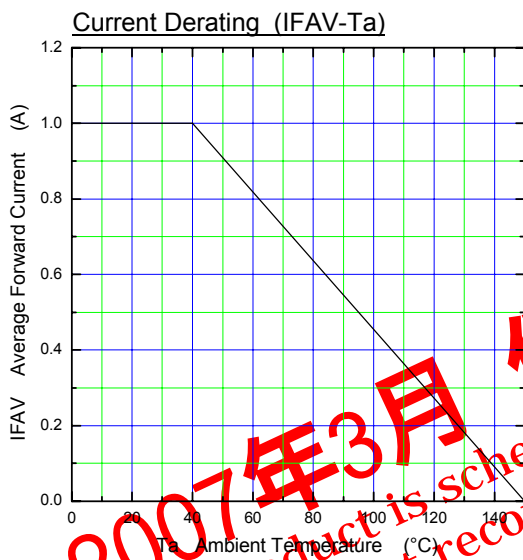
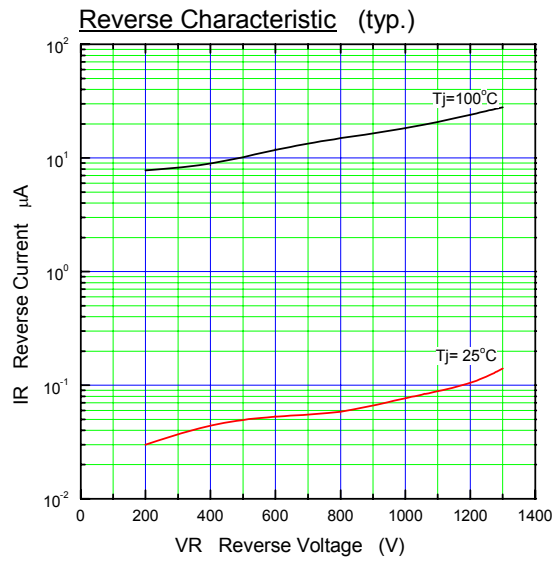
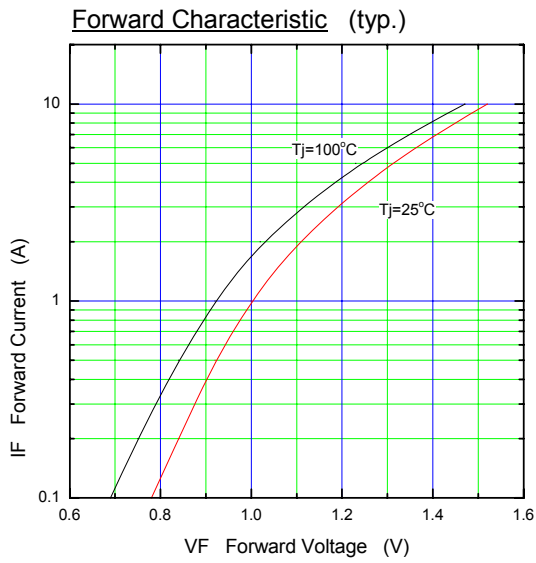
Approximate mass		0.3	g
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Marking



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



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