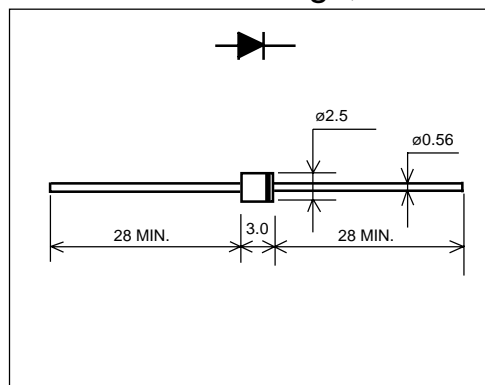


## FAST RECOVERY DIODE

## ■ Outline drawings, mm



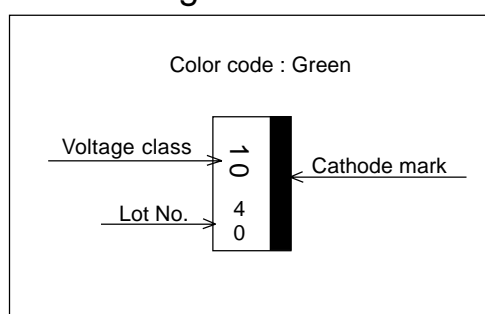
## ■ Features

- Ultra small package, possible for 5mm pitch automatic insertion
- High voltage by mesa design
- High reliability

## ■ Applications

- General purpose rectifier applications

## ■ Marking



## ■ Maximum ratings and characteristics

- Absolute maximum ratings

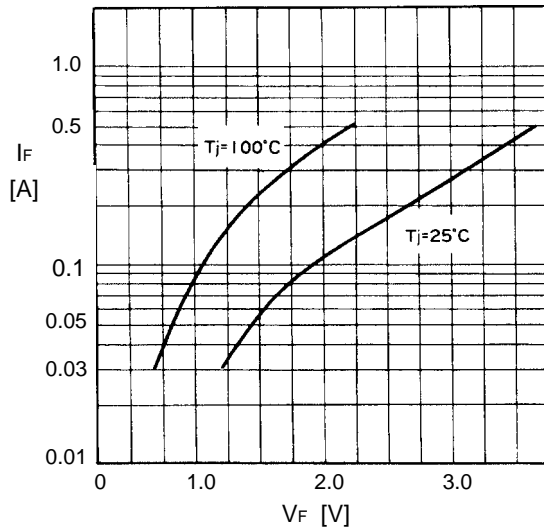
Item	Symbol	Conditions	Rating	Unit
			-10	
Repetitive peak reverse voltage	$V_{RRM}$		1000	V
Average forward current	$I_{F(AV)}$	Resistive load ( $T_a=60^{\circ}C$ )	0.1	A
Surge current	$I_{FSM}$	Sine wave 10ms	2.0	A
Operating junction temperature	$T_j$		-40 to +140	$^{\circ}C$
Storage temperature	$T_{stg}$		-40 to +140	$^{\circ}C$

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

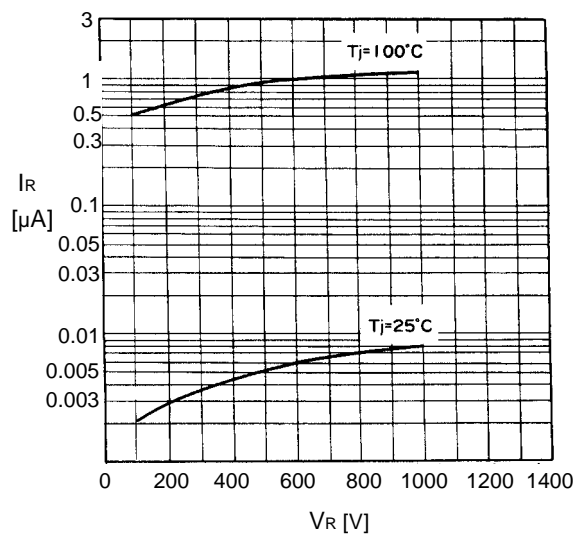
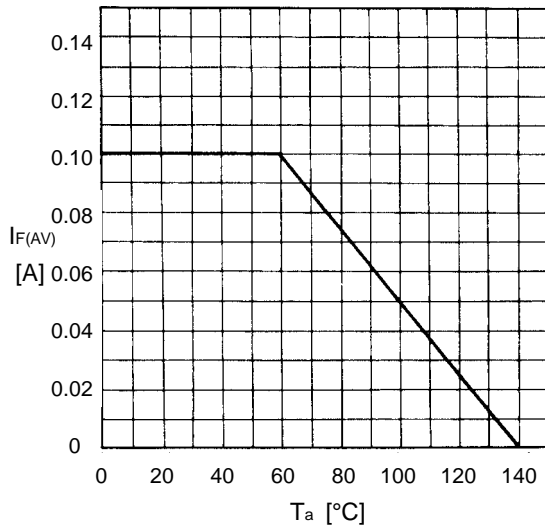
Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	$V_{FM}$	$I_{FM}=0.1A$	3	V
Reverse current	$I_{RRM}$	$V_R=V_{RRM}$	50	$\mu A$
Reverse recovery time	$t_{rr}$	$I_F=0.1A, I_R=0.1A$	0.15	$\mu s$

**■ Characteristics**

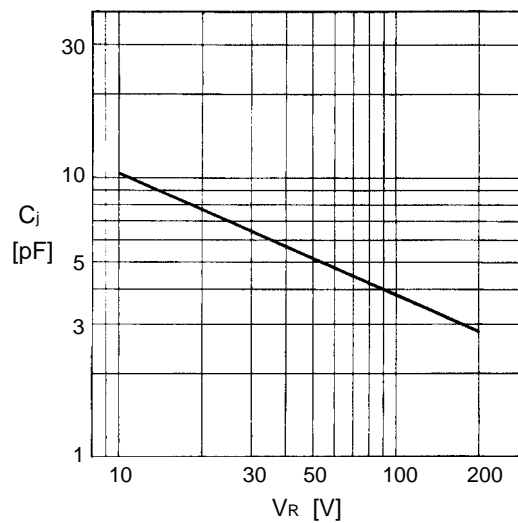
Forward characteristics



Reverse characteristics

Current derating ( $I_{F(AV)}-T_a$ )

Junction capacitance characteristics



Surge capability

