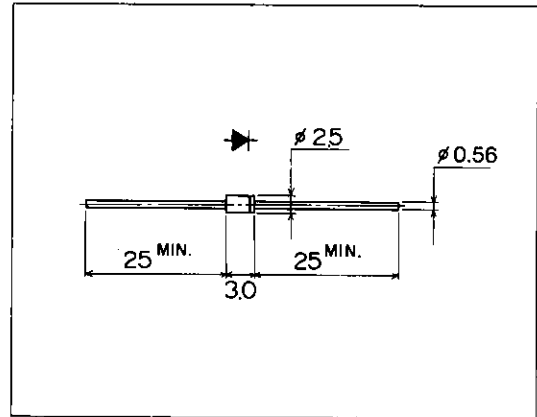


### 低損失超高速ダイオード

#### LOW LOSS SUPER HIGH SPEED RECTIFIER

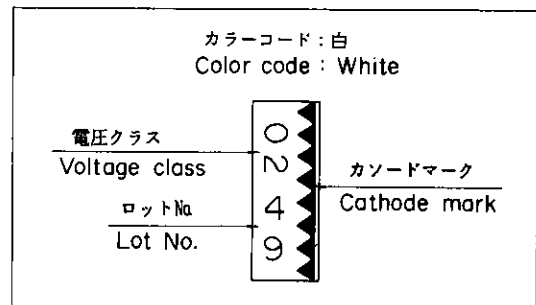
### ■外形寸法：Outline Drawings



### ■特長：Features

- 超小形, 5mmピッチ自動挿入可能  
Ultra small package.  
Possible for 5mm pitch automatic insertion.
- 低 $V_F$   
Low  $V_F$
- スイッチングスピードが非常に速い  
Super high speed switching.
- プレーナー技術による高信頼性  
High reliability by planer design.

### ■表示：Marking



### ■用途：Applications

- 高速電力スイッチング  
High speed power switching.

### ■定格と特性：Maximum Ratings and Characteristics

#### ●絶対最大定格：Absolute Maximum Ratings

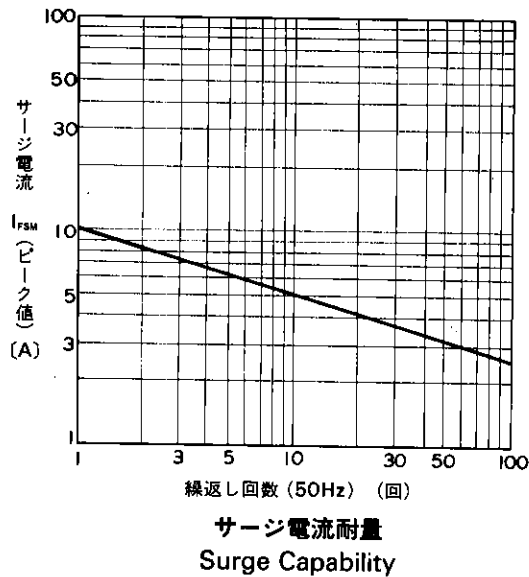
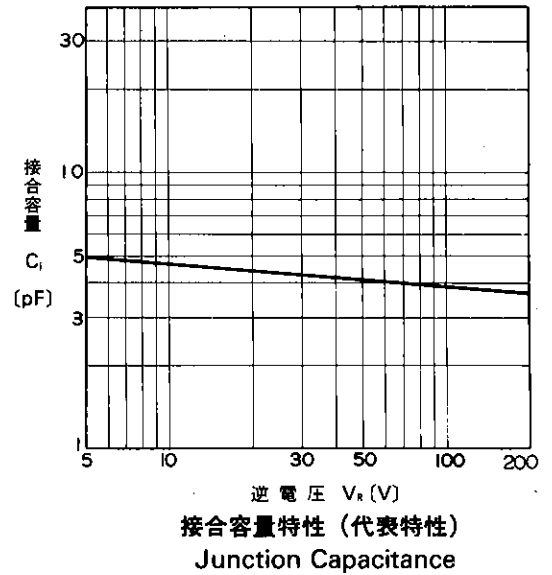
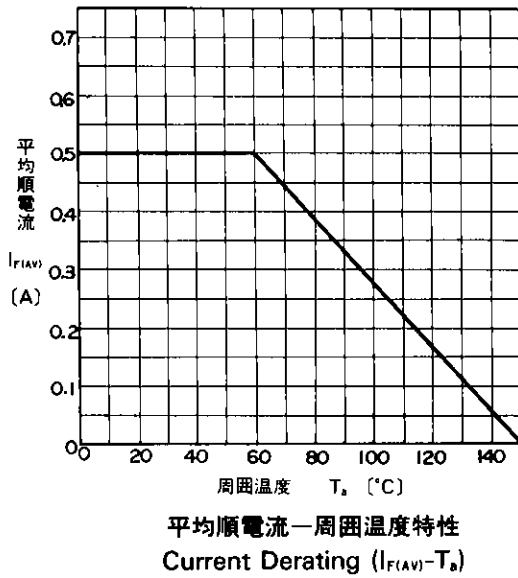
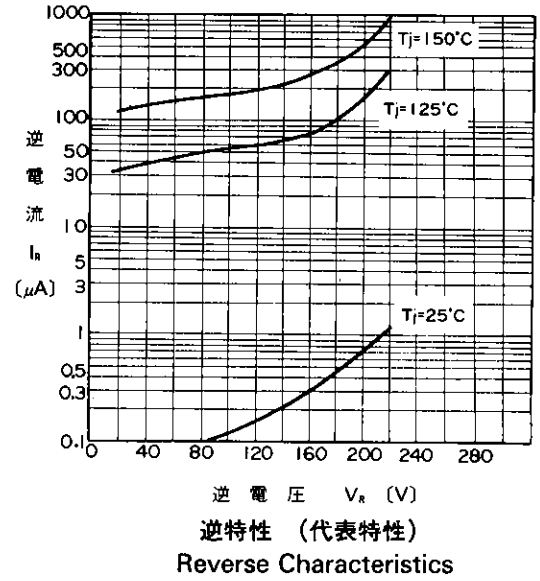
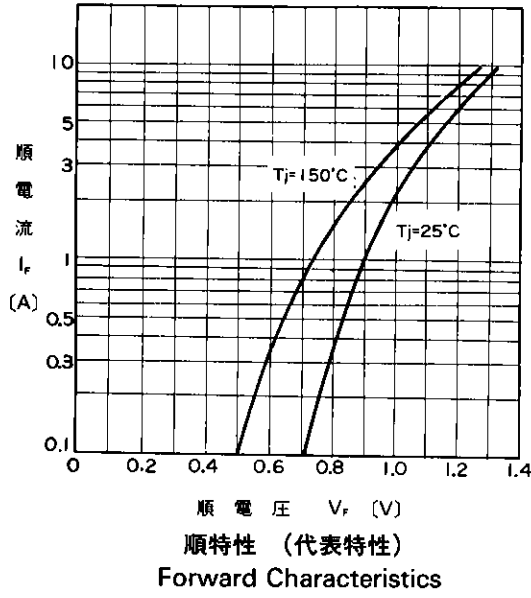
Items	Symbols	Conditions	Ratings	Units
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$		200	V
平均順電流 Average Forward Current	$I_{F(AV)}$	方形波 duty = $\frac{1}{2}$ , $T_a = 60^\circ\text{C}$ Square wave	0.5	A
サージ電流 Surge Current	$I_{FSM}$	正弦波 Sine wave 10ms $T_j = 150^\circ\text{C}$	10	A
接合温度 Operating Junction Temperature	$T_j$		-40 ~ +150	$^\circ\text{C}$
保存温度 Storage Temperature	$T_{stg}$		-40 ~ +150	$^\circ\text{C}$

#### ●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ\text{C}$ とする)

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

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	$V_{FM}$	$I_F = 0.5\text{A}$	0.95	V
逆電流 Reverse Current	$I_{RRM}$	$V_R = V_{RRM}$	50	$\mu\text{A}$
逆回復時間 Reverse Recovery Time	$t_{rr}$	$I_F = 0.1\text{A}$ , $I_R = 0.2\text{A}$ , $I_{rec} = 0.05\text{A}$	35	ns

■特性曲線：Characteristics



A