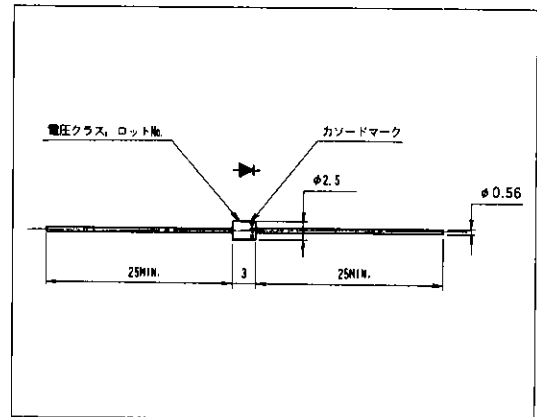


### ショットキーバリアダイオード

### SCHOTTKY BARRIER DIODE

### ■外形寸法：Outline Drawings



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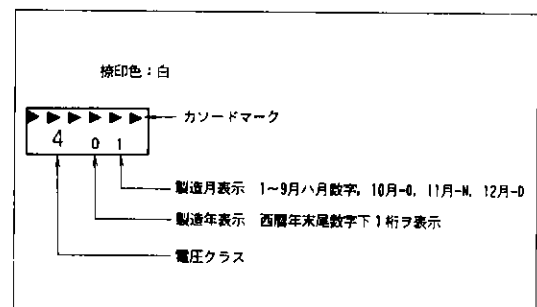
### ■特長：Features

- 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.
- 超小形のため5mmピッチ自動挿入可能  
Ultra small package, possible for 5mm pitch automatic insertion.

### ■用途：Applications

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

### ■表示：Marking



### ■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	$V_{RRM}$		40	V
ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage	$V_{RSM}$	$tw = 500ns, duty = \frac{1}{40}$	48	V
平均順電流 Average Forward Current	$I_{F(AV)}$	方形波, $duty = \frac{1}{2}, Tl = 115^\circ C$ Square wave	1.0*	A
サージ電流 Surge Current	$I_{PSM}$	正弦波 10ms 定格負荷状態より Sine wave	50	A
接合温度 Operating Junction Temperature	$T_J$		-40 ~ +125	$^\circ C$
保存温度 Storage Temperature	$T_{stg}$		-40 ~ +125	$^\circ C$

\* フリント板取付け(ランド10×10mm)

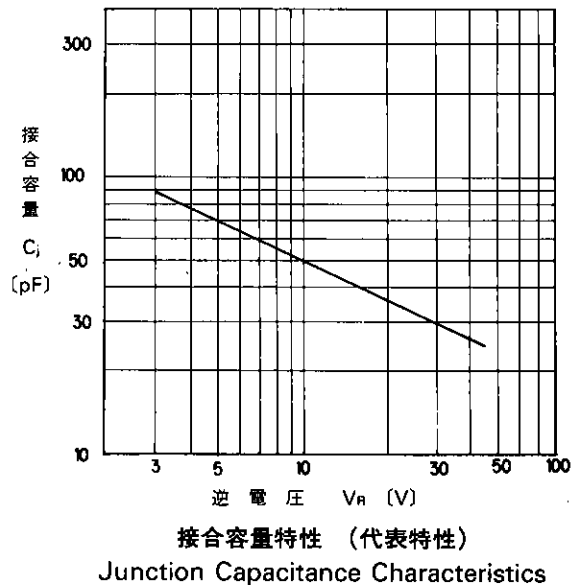
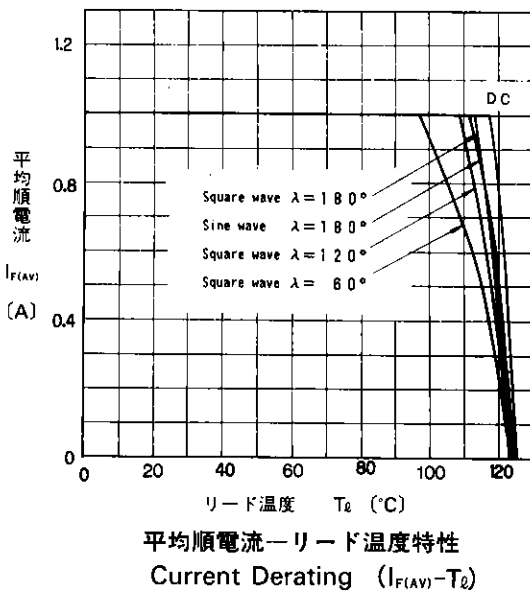
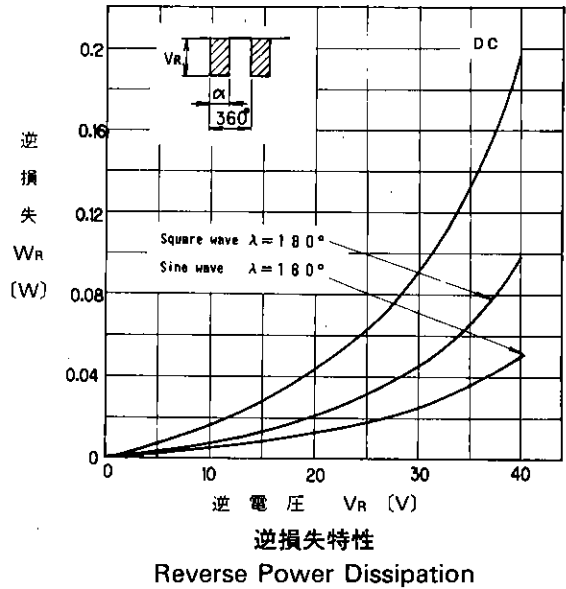
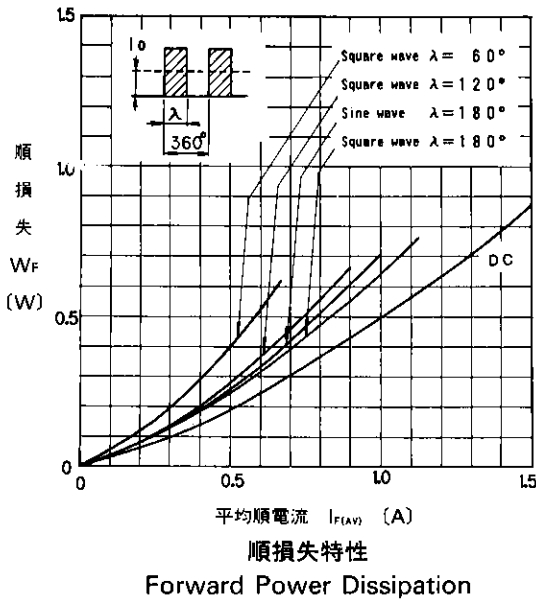
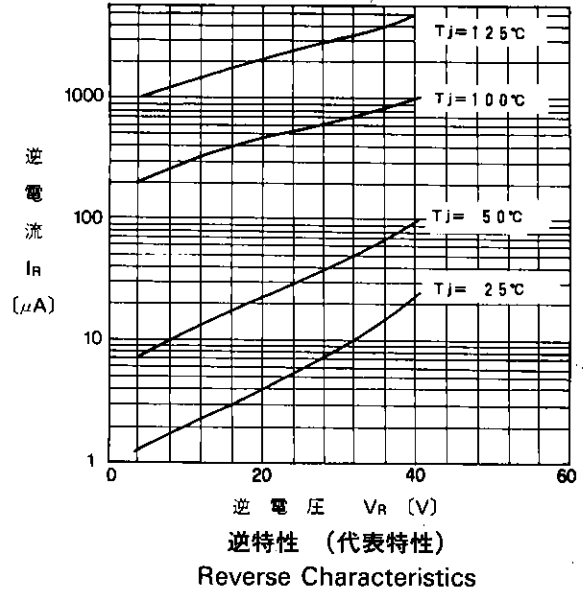
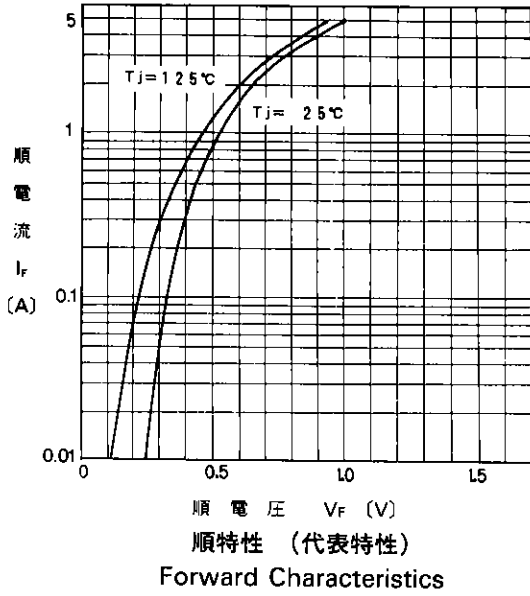
\* Mounted on Printed circuit board.

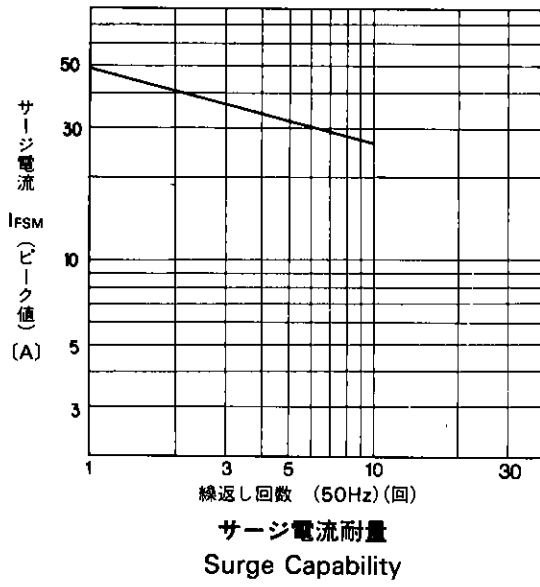
#### ●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ C$ とする)

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

Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	$V_{FM}$	$I_{FM} = 1A$	0.55	V
逆電流 Reverse Current	$I_{RRM}$	$V_R = V_{RRM}$	2.0	mA

■特性曲線：Characteristics





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