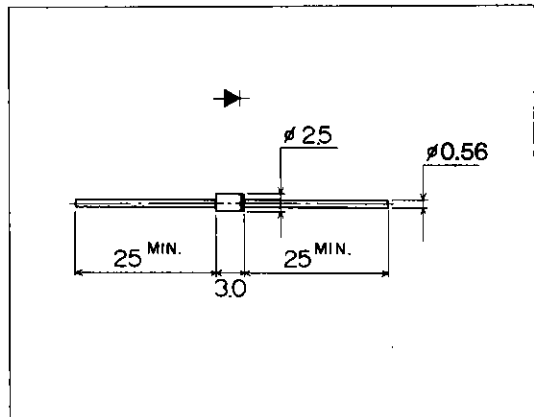


### ショットキーバリアダイオード

### SCHOTTKY BARRIER DIODE

### ■外形寸法：Outline Drawings



### ■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

- 高速電カスイッチング  
High speed power switching.

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

#### ●絶対最大定格：Absolute Maximum Ratings

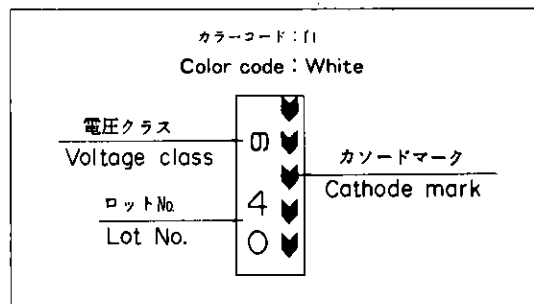
| Items   | Symbols     | Conditions  | Ratings    | Units            |
|---|-------------|---|------------|------------------|
| ピーク繰り返し逆電圧<br>Repetitive Peak Reverse Voltage | $V_{RRM}$   |   | 60         | V                |
| 平均順電流<br>Average Forward Current              | $I_{F(AV)}$ | 抵抗負荷, $T_I = 111^\circ\text{C}$<br>Resistive load | 1.0        | A                |
| サージ電流<br>Surge Current                        | $I_{FSM}$   | 正弦波 10ms 定格負荷状態より<br>Sine wave                    | 30         | A                |
| 接合温度<br>Operating Junction Temperature        | $T_J$       |   | -40 ~ +125 | $^\circ\text{C}$ |
| 保存温度<br>Storage Temperature                   | $T_{SIG}$   |   | -40 ~ +125 | $^\circ\text{C}$ |

#### ●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)

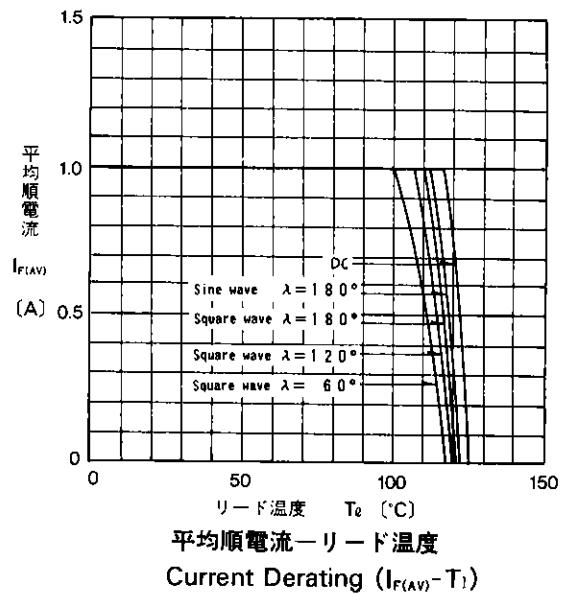
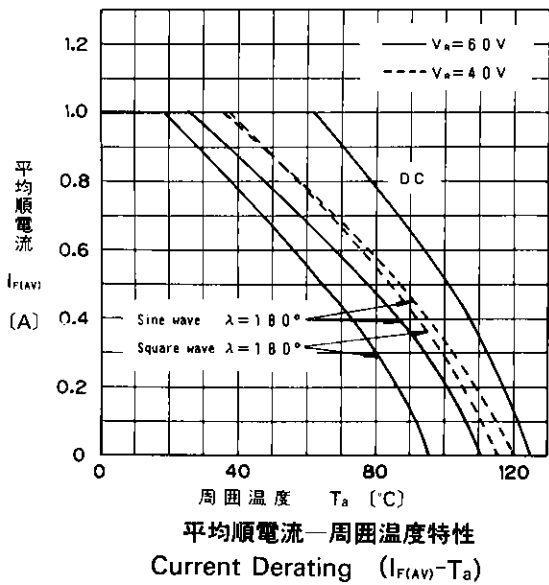
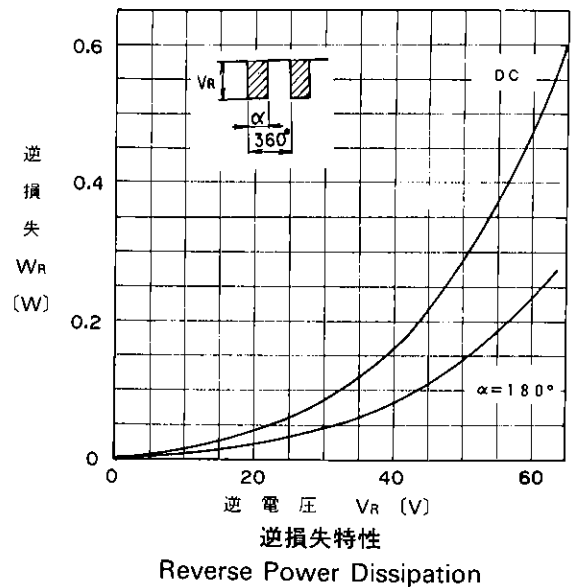
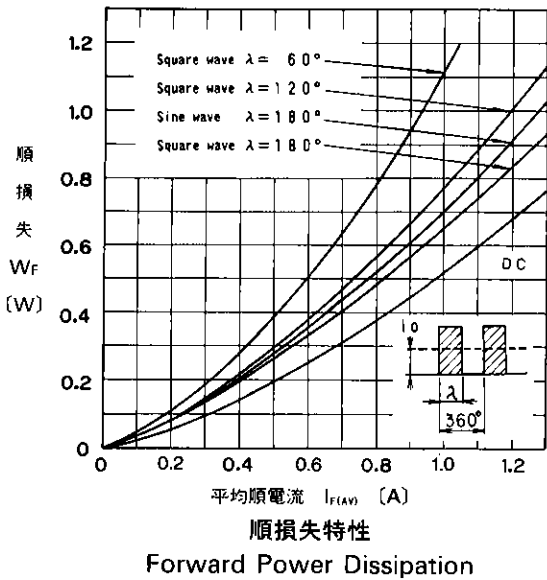
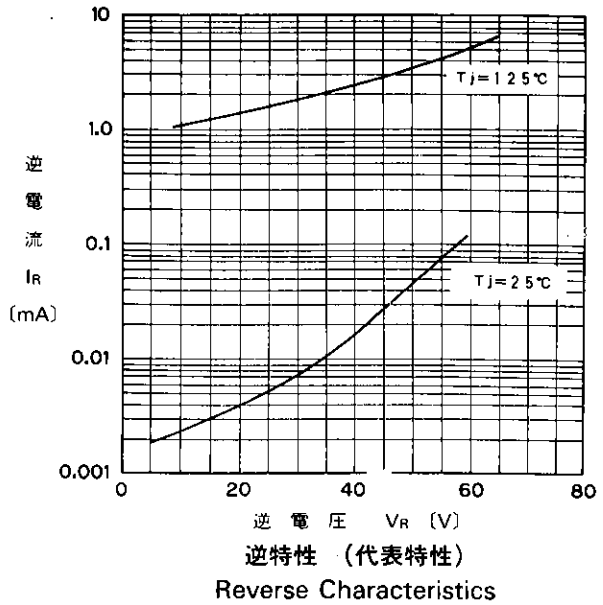
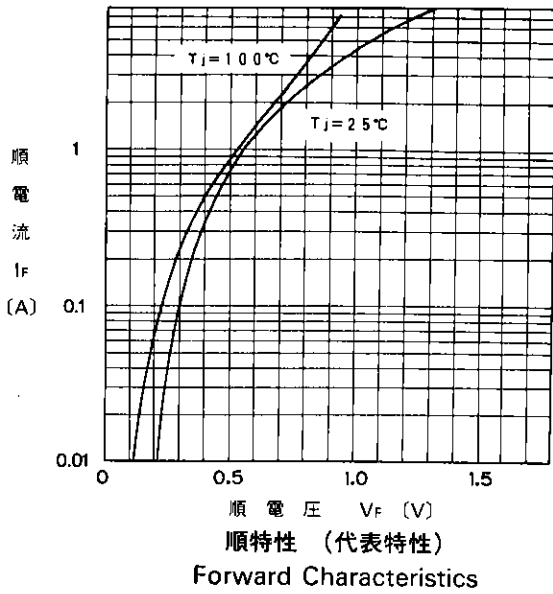
| Items                       | Symbols   | Conditions           | Max. | Units |
|-----------------------------|-----------|----------------------|------|-------|
| 順電圧<br>Forward Voltage Drop | $V_{FM}$  | $I_{FM} = 1\text{A}$ | 0.58 | V     |
| 逆電流<br>Reverse Current      | $I_{RRM}$ | $V_R = V_{RRM}$      | 2.0  | mA    |

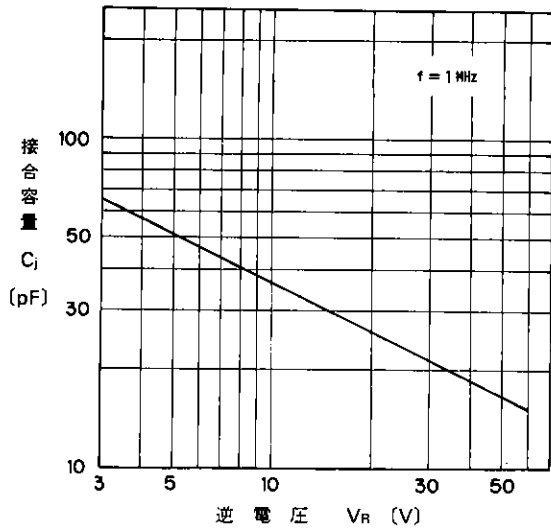
### ■表示：Marking



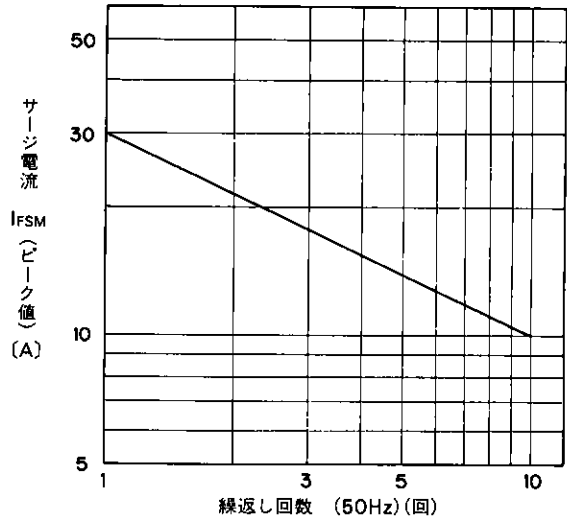
■特性曲線：Characteristics

A

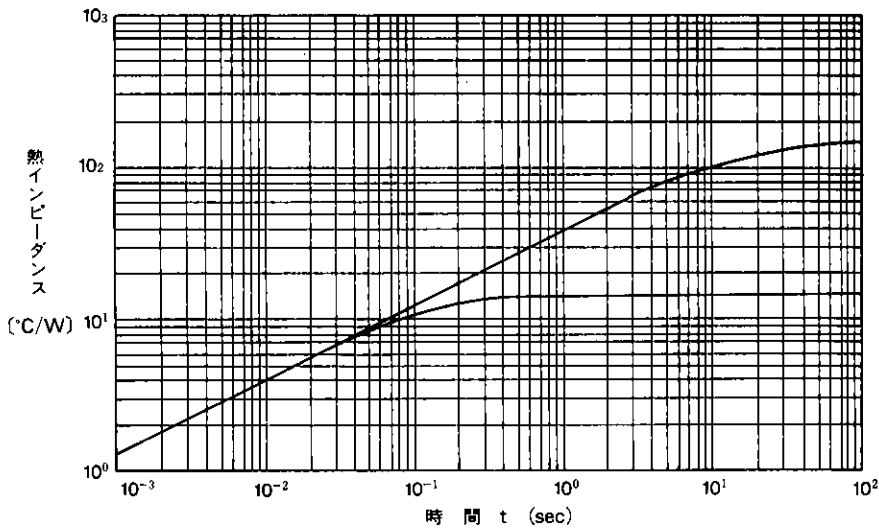




接合容量特性 (代表特性)  
Junction Capacitance



サージ電流耐量  
Surge Capability



過渡熱インピーダンス  
Transient Thermal Impedance

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