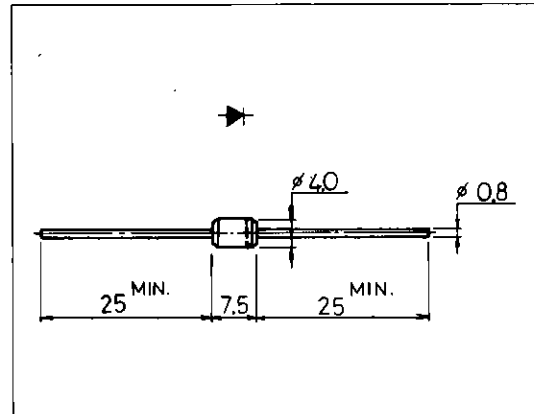


## ショットキーバリアダイオード

### SCHOTTKY BARRIER DIODE

## ■外形寸法：Outline Drawings



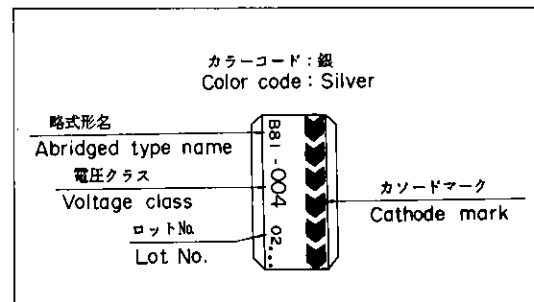
## ■特長：Features

- 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.

## ■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<br>Repetitive Peak Reverse Voltage | $V_{RRM}$   |                          | 40         | V                |
| 平均順電流<br>Average Forward Current              | $I_{F(AV)}$ | $T_a = 25^\circ\text{C}$ | 1.7        | A                |
| サージ電流<br>Surge Current                        | $I_{FSM}$   | 正弦波 10ms<br>Sine wave    | 100        | A                |
| 接合温度<br>Operating Junction Temperature        | $T_j$       |                          | -40 ~ +125 | $^\circ\text{C}$ |
| 保存温度<br>Storage Temperature                   | $T_{stg}$   |                          | -40 ~ +125 | $^\circ\text{C}$ |

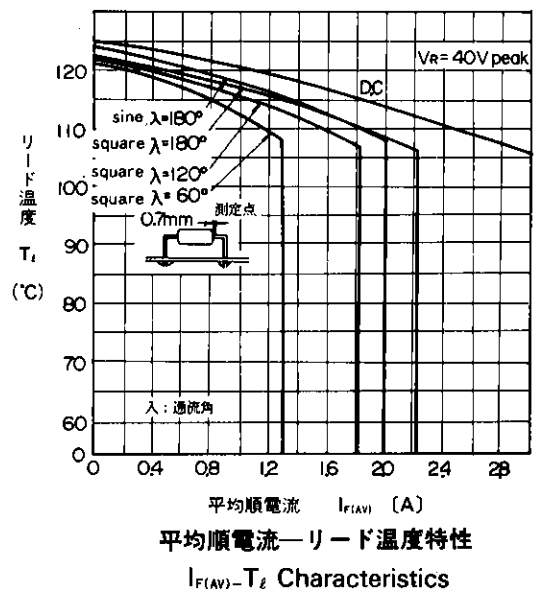
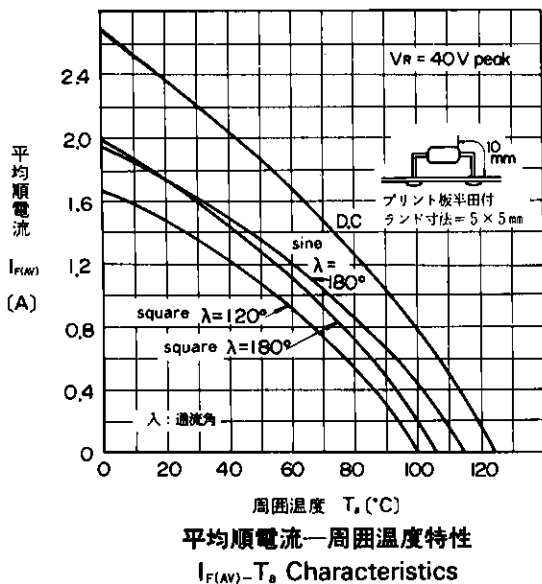
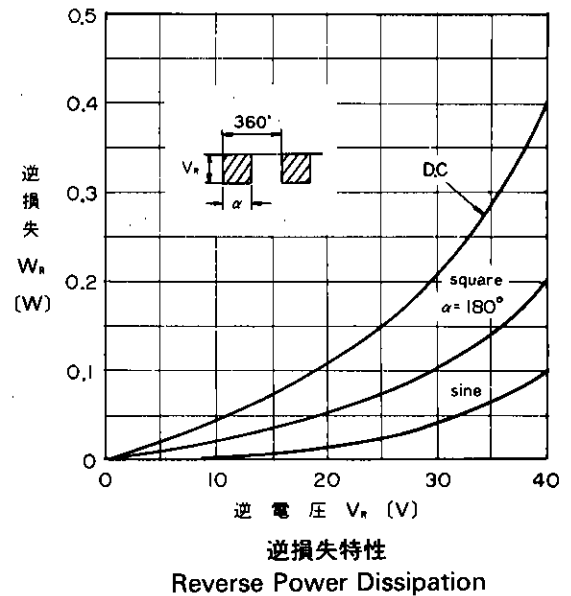
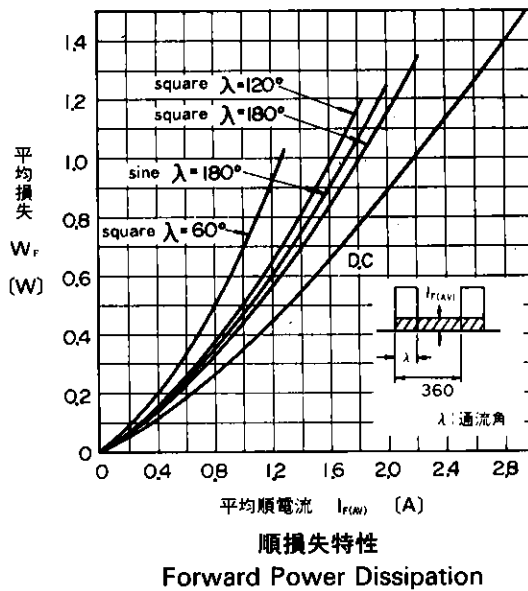
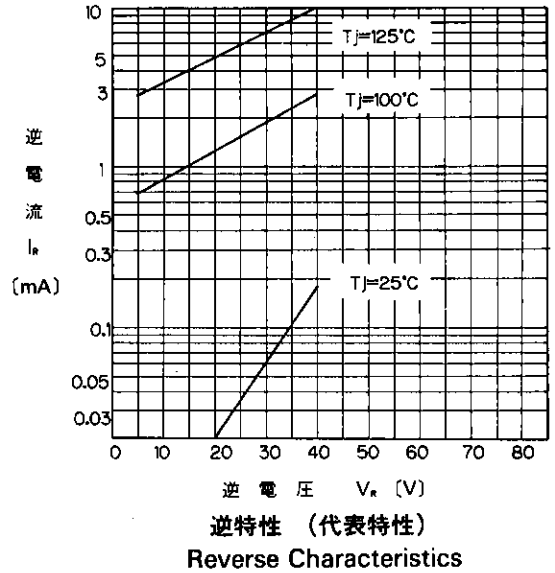
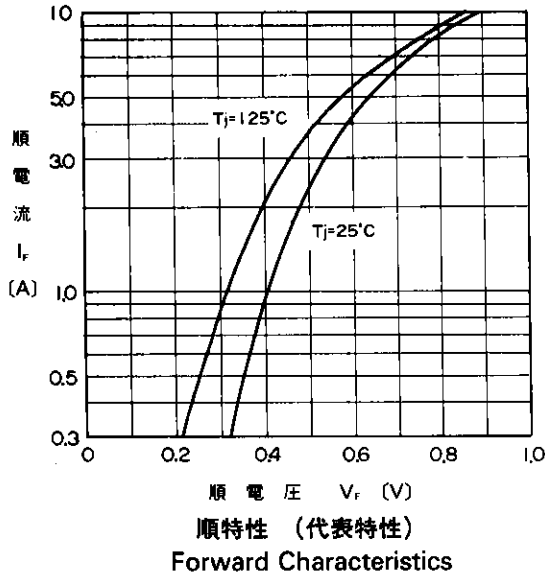
### ●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ\text{C}$ とする)

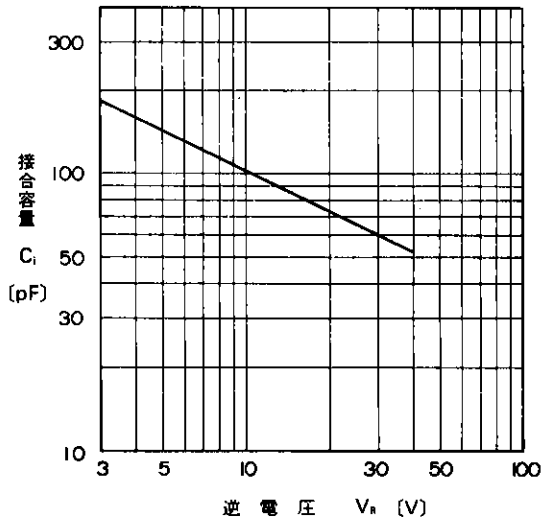
Electrical Characteristics ( $T_a = 25^\circ\text{C}$  Unless otherwise specified)

| Items                       | Symbols   | Conditions             | Max. | Units |
|-----------------------------|-----------|------------------------|------|-------|
| 順電圧<br>Forward Voltage Drop | $V_{FM}$  | $I_{FM} = 2.0\text{A}$ | 0.55 | V     |
| 逆電流<br>Reverse Current      | $I_{RRM}$ | $V_R = V_{RRM}$        | 5.0  | mA    |

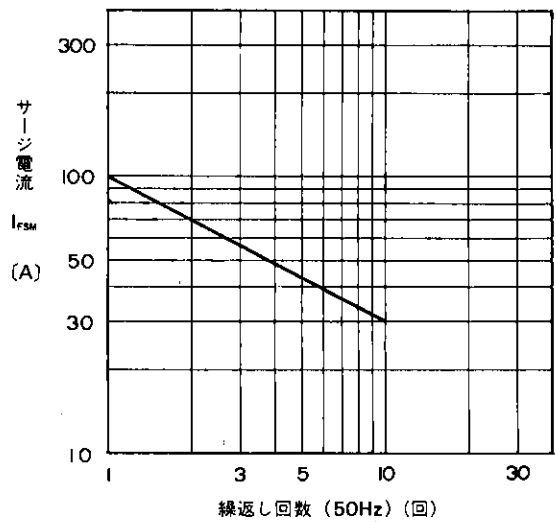
■特性曲線 : Characteristics

A

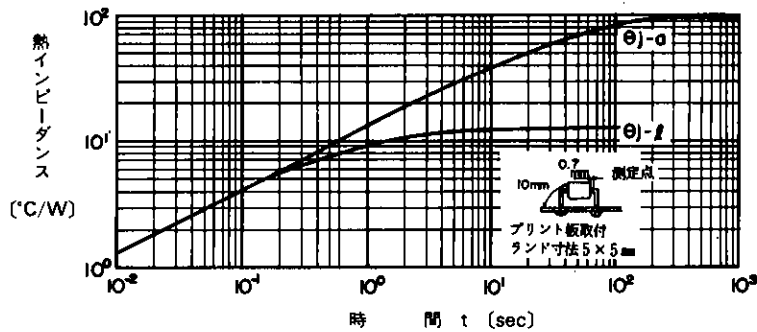




接合容量特性 (代表特性)  
Junction Capacitance Characteristics



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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