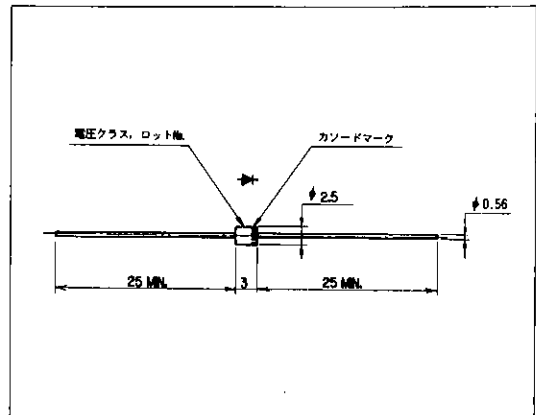


## ショットキーバリアダイオード

## SCHOTTKY BARRIER DIODE

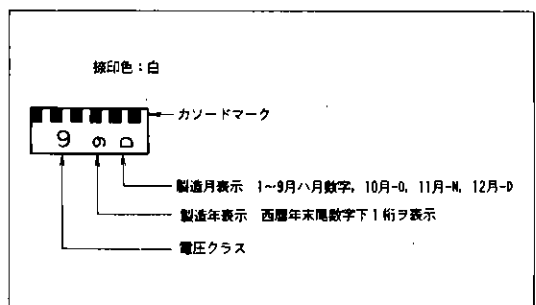
## ■外形寸法：Outline Drawings



## ■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.

## ■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

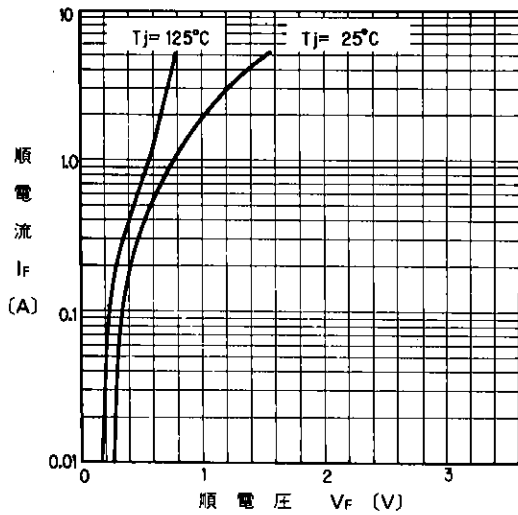
Items	Symbols	Conditions	Ratings	Units
ピーク繰り返し逆電圧 Repetitive Peak Reverse Voltage	$V_{RRM}$		90	V
平均順電流 Average Forward Current	$I_{F(AV)}$	抵抗負荷, $T_J = 110^\circ\text{C}$ Resistive load	1.0	A
サージ電流 Surge Current	$I_{FSM}$	正弦波 10ms 定格負荷状態より Sine wave	30	A
接合温度 Operating Junction Temperature	$T_J$		-40 ~ +125	$^\circ\text{C}$
保存温度 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)

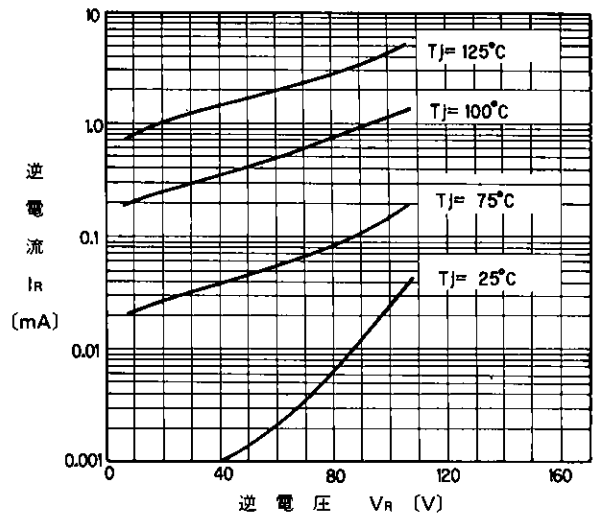
Items	Symbols	Conditions	Max.	Units
順電圧 Forward Voltage Drop	$V_{FM}$	$I_{FM} = 1\text{A}$	0.82	V
逆電流 Reverse Current	$I_{RRM}$	$V_R = V_{RRM}$	1.0	mA

A

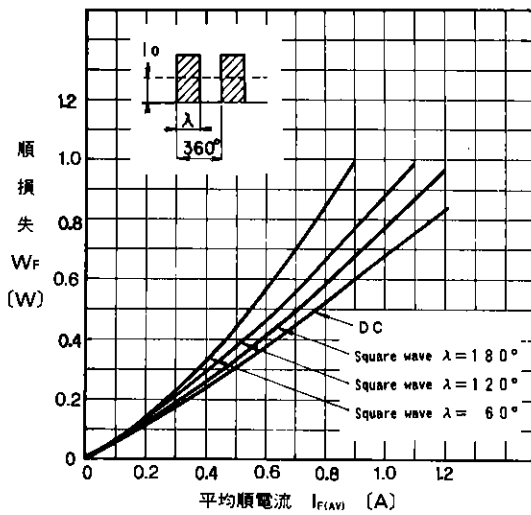
■特性曲線：Characteristics



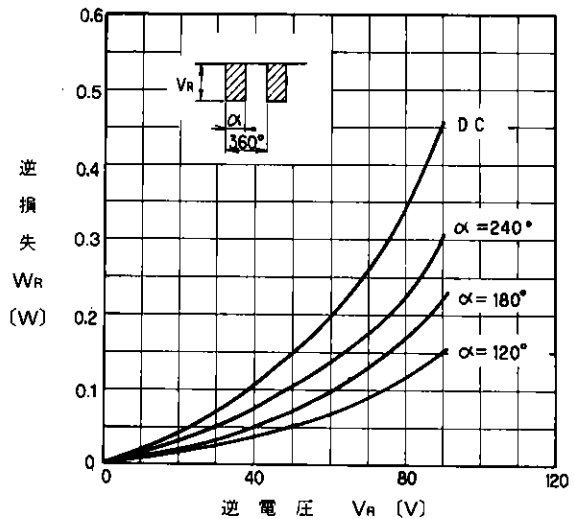
順特性 (代表特性)  
Forward Characteristics



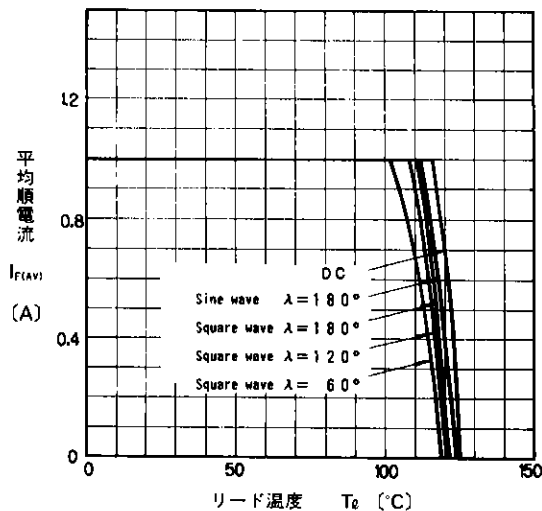
逆特性 (代表特性)  
Reverse Characteristics



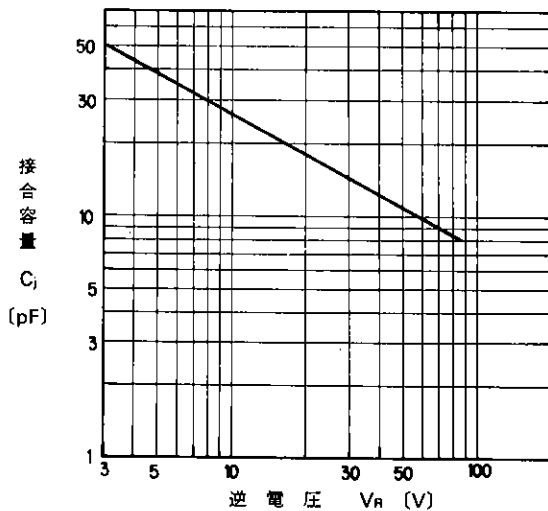
順損失特性  
Forward Power Dissipation



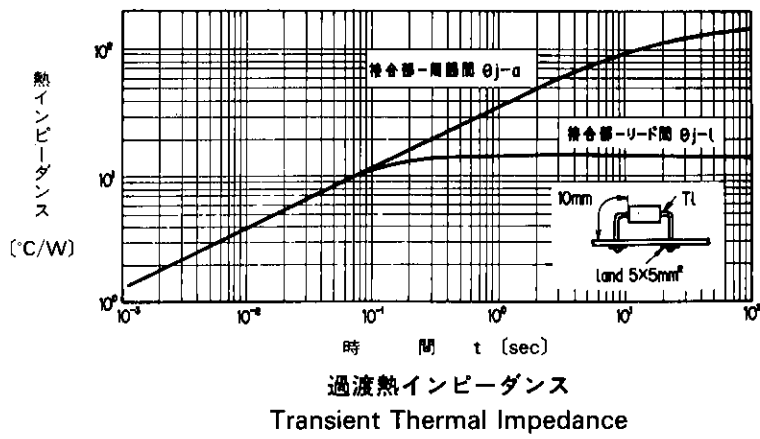
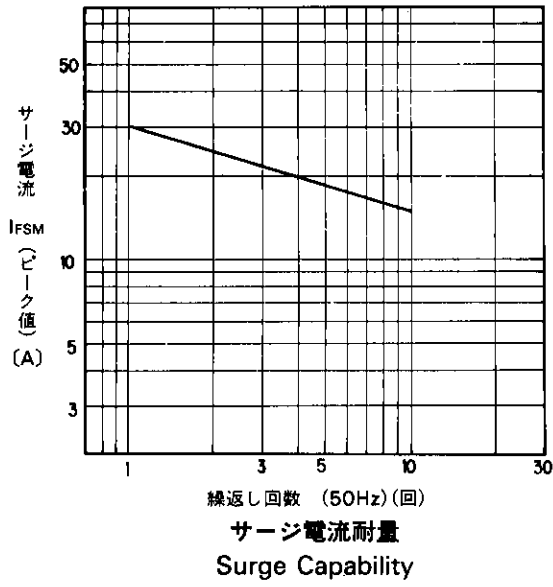
逆損失特性  
Reverse Power Dissipation



平均順電流ーリード温度特性  
Current Derating ( $I_{F(AV)}-T_l$ )



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



For more information, contact:

**Collmer Semiconductor, Inc.**

P.O. Box 702708

Dallas, TX 75370

972-733-1700

972-381-9991 Fax

<http://www.collmer.com>