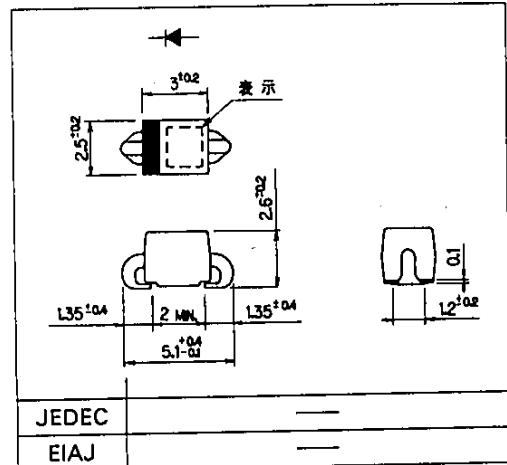


ショットキーバリアダイオード SCHOTTKY BARRIER DIODE

■外形寸法：Outline Drawings



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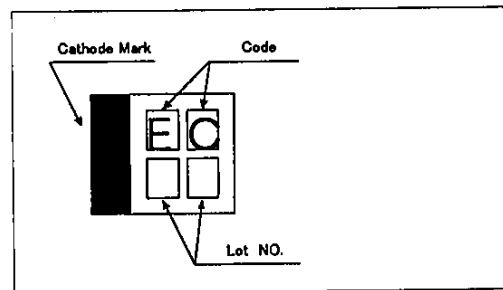
■特長：Features

- 表面実装が可能
Surface mount device
- 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 Repetitive Peak Reverse Voltage | V_{RRM} | | 60 | V |
| ピーク非繰り返し逆電圧 Non-Repetitive Peak Reverse Voltage | V_{RSM} | $t_w = 500\text{ns}$ duty = 1/10 | 60 | V |
| 平均出力電流 Average Output Current | I_o | 抵抗負荷 Resistive Load $T_J = 111^\circ\text{C}$ | 1.0* | A |
| サージ電流 Surge Current | I_{FSM} | 正弦波 Sine Wave 10ms | 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 | $^\circ\text{C}$ |

* ガラスエポキシ基板に装着、ランド寸法15×15mm

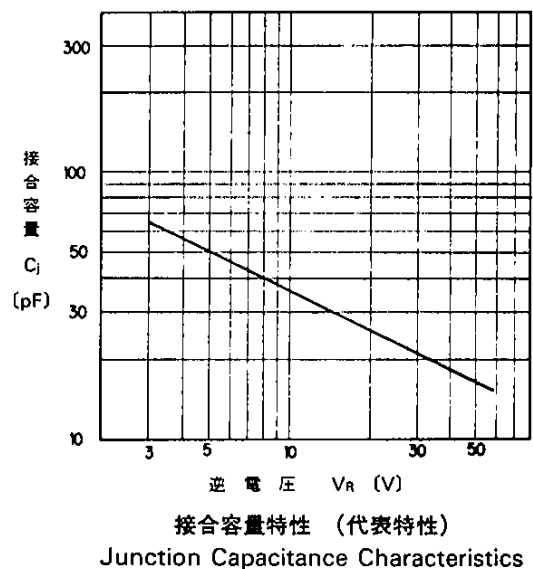
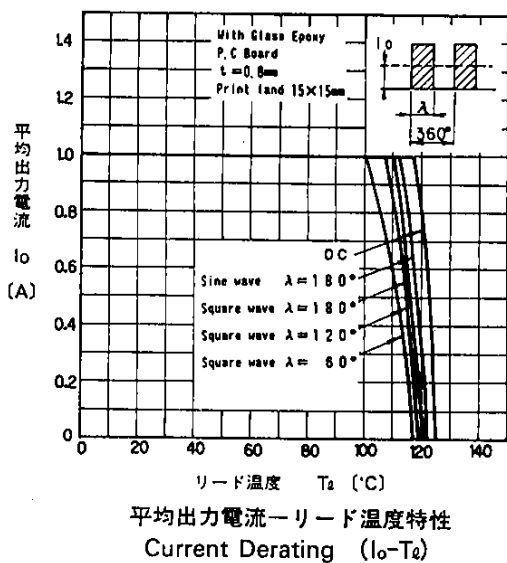
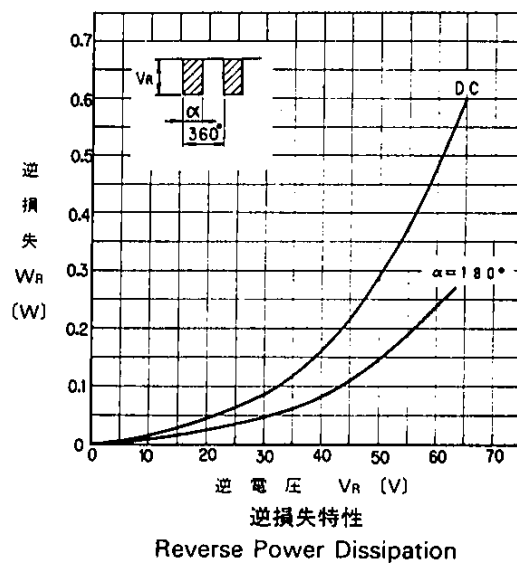
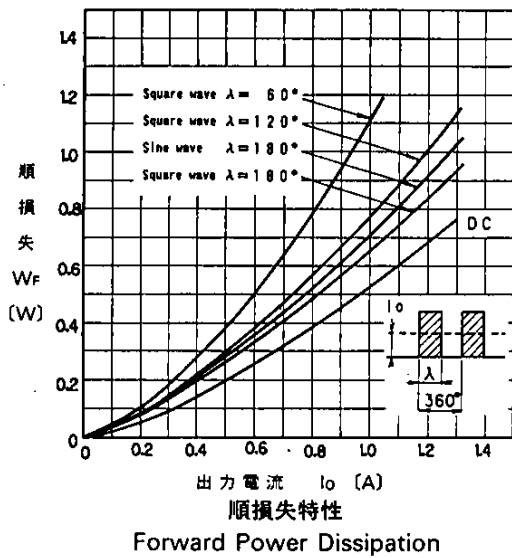
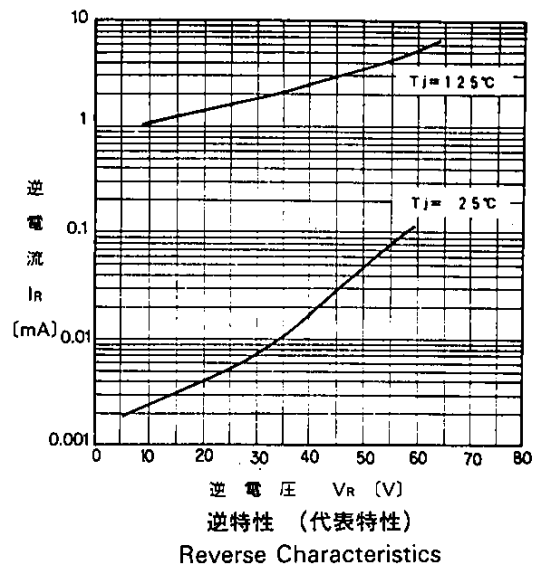
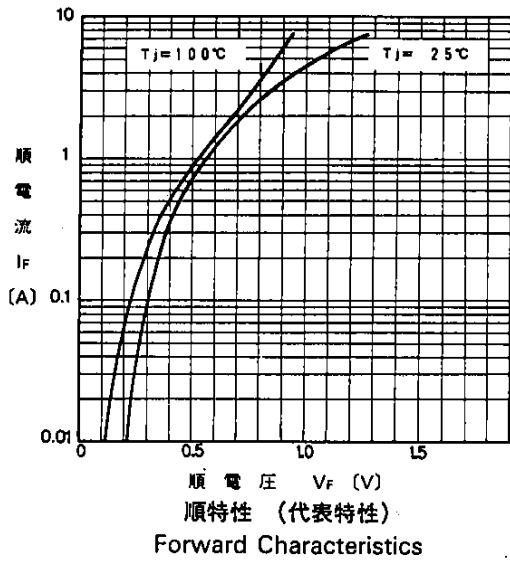
* Mounted to glass fabric base epoxy resin printed circuits

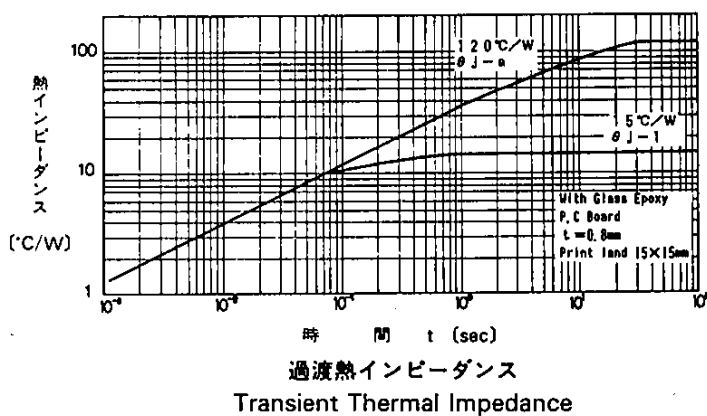
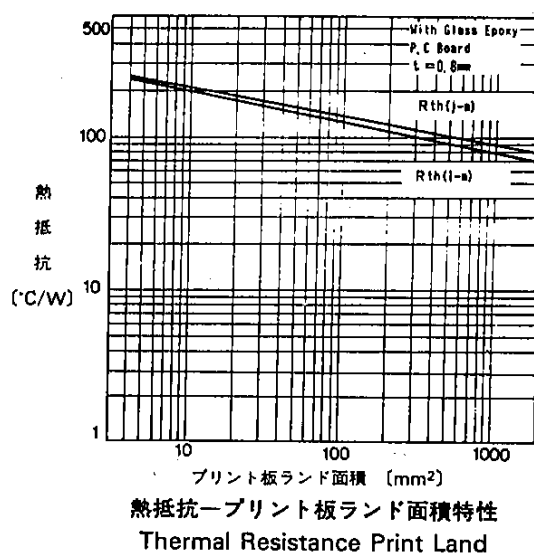
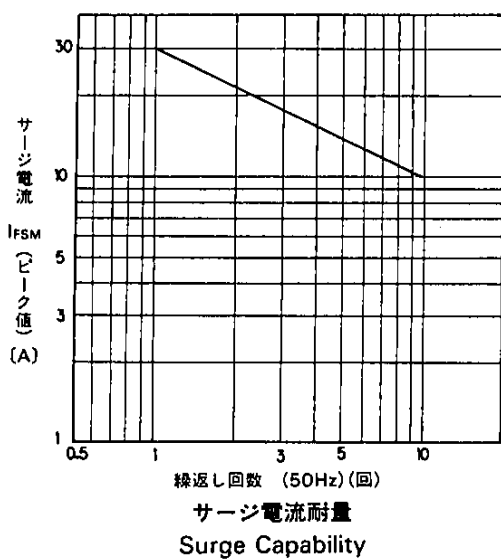
●電気的特性(特に指定がない限り周囲温度 $T_a = 25^\circ\text{C}$ とする)

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

| Items | Symbols | Conditions | Max. | Units |
|-----------------------------|---------------|-----------------------------|------|---------------------------|
| 順電圧 Forward Voltage Drop | V_{FM} | $I_{FM} = 1.0\text{A}$ | 0.58 | V |
| 逆電流 Reverse Current | I_{RRM} | $V_R = V_{RRM}$ | 2.0 | mA |
| 熱抵抗 Thermal Resistance | $R_{th(j-l)}$ | 接合・リード間 junction to lead | 15* | $^\circ\text{C}/\text{W}$ |

■特性曲線：Characteristics





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