

絶対最大定格 Absolute Maximum Ratings (指定のない場合 $T_I = 25^\circ\text{C}$ / Unless otherwise specified)

| 項目 Item | 記号 Symbol | 条件 Conditions | 規格値 Ratings | 単位 Unit | |
|------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|---|
| 保存温度 Storage Temperature | T _{stg} | | - 40 ~ 125 | °C | |
| 接合部温度 Operating Junction Temperature | T _j | | 125 | °C | |
| オフ電圧 Maximum Off-state Voltage | V _{DRM} | | 180 | V | |
| 実効オン電流 RMS On-state Current | I _T | T _I =108°C, 50Hz 正弦波, 導通角 $\theta=180^\circ$ T _I =108°C, 50Hz sine wave, $\theta=180^\circ$ | 1 | A | |
| サージオン電流 Surge On-state Current | I _{TSM} | T _j =25°C, 50Hz 正弦波, $\theta=180^\circ$, 非繰り返し 1 サイクルせん頭値 T _j =25°C, 50Hz sine wave, $\theta=180^\circ$ non-repetitive 1-cycle peak value | 20 | A | |
| パルスオン電流 Pulse On-state Current | I _{TRM} | T _a =25°C, パルス幅 10 μs , 正弦波 T _a =25°C, pulse width $t_o=10 \mu\text{s}$, sine wave | f=1kHz | 25 | A |
| | | | f=60Hz | 50 | |
| オン電流上昇率 Critical Rate of Rise of On-state Current | di _T /dt | | 80 | A/ μs | |

電氣的・熱的特性 Electrical Characteristics (指定のない場合 $T_I = 25^\circ\text{C}$ / Unless otherwise specified)

| 項目 Item | 記号 Symbol | 条件 Conditions | 規格値 Ratings | | | 単位 Unit |
|----------------------------------|------------------|----------------------------------------------------|-------------|-----------|-----------|---------------|
| | | | K1V22 | K1V24 | K1V26 | |
| ブレイクオーバー電圧 Breakover Voltage | V _{BO} | パルス測定 dv/dt=4V/ms Pulse measurement dv/dt=4V/ms | 200 ~ 230 | 220 ~ 250 | 240 ~ 270 | V |
| オフ電流 Off-state Current | I _{DRM} | V _D = 180V | MAX 10 | | | μA |
| ブレイクオーバー電流 Breakover Current | I _{BO} | | MAX 0.5 | | | mA |
| 保持電流 Holding Current | I _H | | TYP 20 | | | mA |
| オン電圧 On-state Voltage | V _T | I _T = 1A | MAX 1.5 | | | V |
| スイッチング抵抗 Switching Resistance | R _S | | MIN 0.1 | | | k Ω |
| 熱抵抗 Thermal Resistance | θ_{jI} | 接合部・リード間 Junction to lead | MAX 15 | | | °C/W |

外形寸法図 Outline Dimensions

Package : AX10

[Unit : mm]

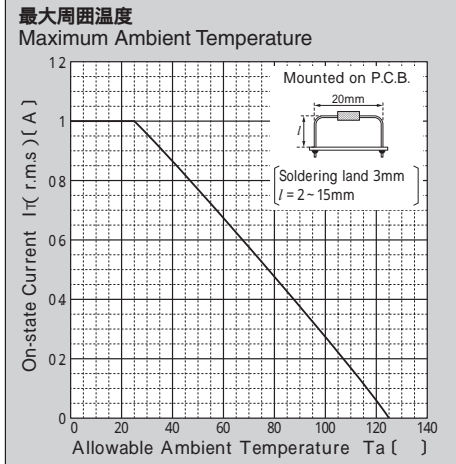
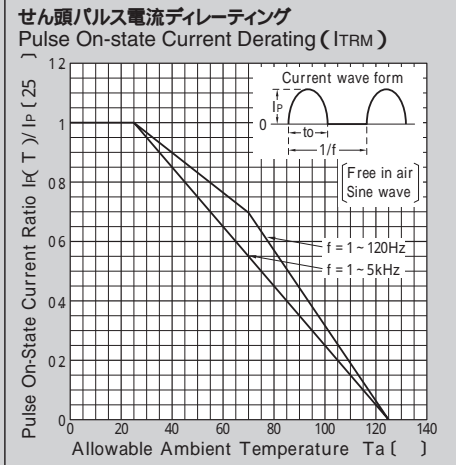
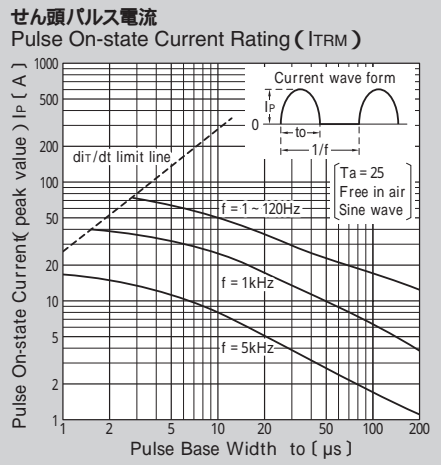
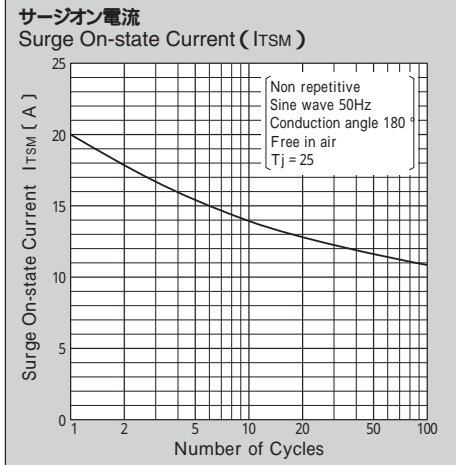
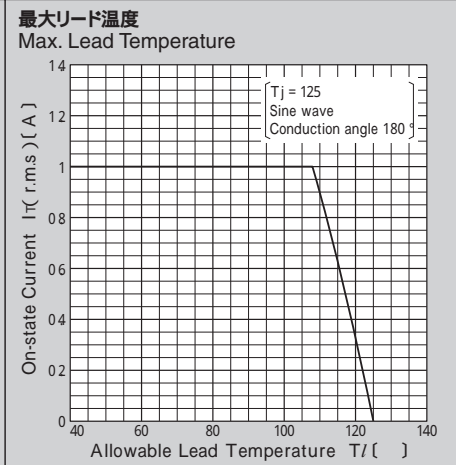
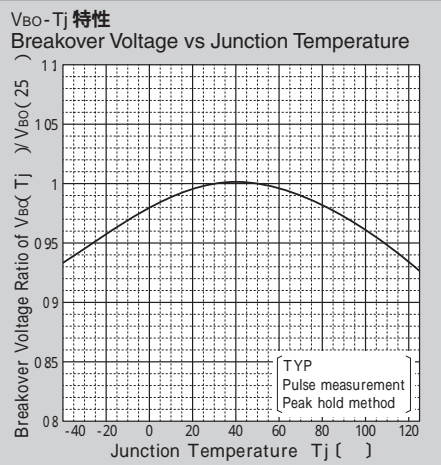
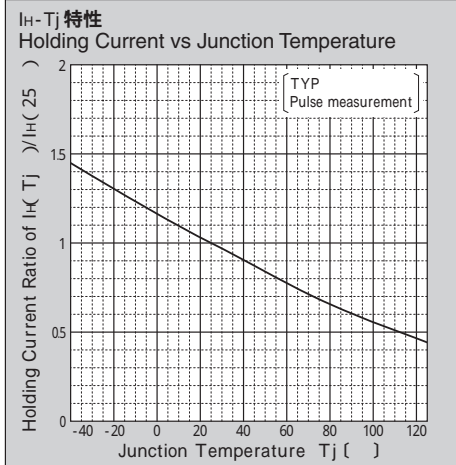
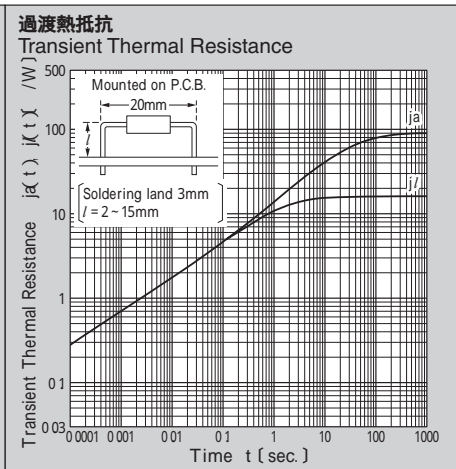
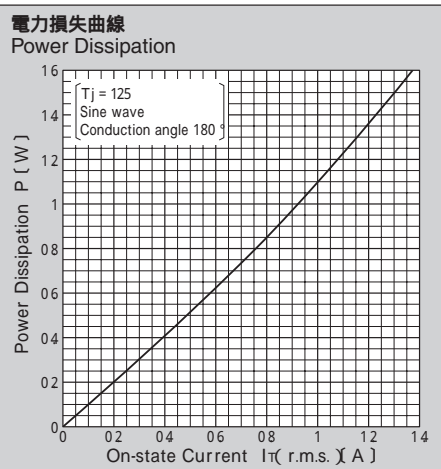
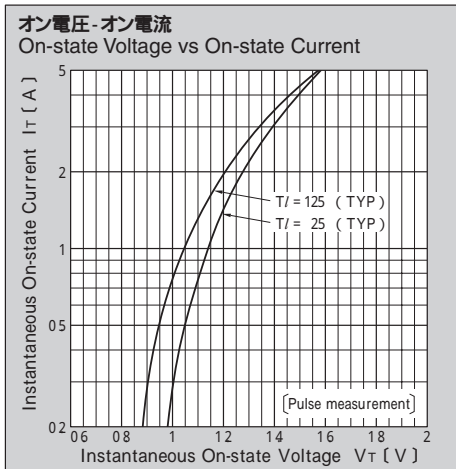
捺印面展開図 Marking

品名略号(例)
Type No. **KIV2 69**

K1V22: KIV2
K1V24: KN
K1V26: KP

口外記号(例)
Date code

特性図 Characteristic Diagrams



K1V