

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)

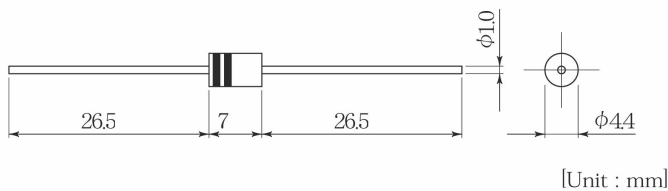
| 項目<br>Item                                           | 記号<br>Symbol     | 条件<br>Conditions                                                                                                                                                                                  | 規格値<br>Ratings          | 単位<br>Unit             |
|------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------|
| 保存温度<br>Storage Temperature                          | $T_{\text{Stg}}$ |                                                                                                                                                                                                   | $-40 \sim 125$          | $^{\circ}\text{C}$     |
| 接合部温度<br>Operating Junction Temperature              | $T_j$            |                                                                                                                                                                                                   | 125                     | $^{\circ}\text{C}$     |
| オフ電圧<br>Maximum Off-state Voltage                    | $V_{\text{DRM}}$ |                                                                                                                                                                                                   | 180                     | V                      |
| 実効オン電流<br>RMS On-state Current                       | $I_T$            | $T_I = 91^{\circ}\text{C}$ , 50Hz 正弦波, 導通角 $\theta = 180^{\circ}$<br>$T_I = 91^{\circ}\text{C}$ , 50Hz sine wave, $\theta = 180^{\circ}$                                                          | 1                       | A                      |
| サージオン電流<br>Surge On-state Current                    | $I_{\text{TSM}}$ | $T_j = 25^{\circ}\text{C}$ , 50Hz 正弦波, $\theta = 180^{\circ}$ ,<br>非繰り返し 1 サイクルせん頭値<br>$T_j = 25^{\circ}\text{C}$ , 50Hz sine wave, $\theta = 180^{\circ}$ ,<br>non-repetitive 1-cycle peak value | 16                      | A                      |
| パルスオン電流<br>Pulse On-state Current                    | $I_{\text{TRM}}$ | $T_a = 25^{\circ}\text{C}$ , パルス幅 $10\mu\text{s}$ , 正弦波<br>$T_a = 25^{\circ}\text{C}$ , pulse width to $10\mu\text{s}$ ,<br>sine wave                                                             | $f = 1\text{kHz}$<br>17 | A                      |
|                                                      |                  |                                                                                                                                                                                                   | $f = 60\text{Hz}$<br>50 |                        |
| オン電流上昇率<br>Critical Rate of Rise of On-state Current | $di_T/dt$        |                                                                                                                                                                                                   | 80                      | $\text{A}/\mu\text{s}$ |

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<br>Item                       | 記号<br>Symbol     | 条件<br>Conditions                                                         | 規格値 Ratings |           |           | 単位<br>Unit                  |
|----------------------------------|------------------|--------------------------------------------------------------------------|-------------|-----------|-----------|-----------------------------|
|                                  |                  |                                                                          | K1V22(W)    | K1V24(W)  | K1V26(W)  |                             |
| ブレイクオーバー電圧<br>Breakover Voltage  | $V_{\text{BO}}$  | パルス測定 $dv/dt = 4\text{V/ms}$<br>Pulse measurement $dv/dt = 4\text{V/ms}$ | 200 ~ 230   | 220 ~ 250 | 240 ~ 265 | V                           |
| オフ電流<br>Off-state Current        | $I_{\text{DRM}}$ | $V_D = 180\text{V}$                                                      | MAX 10      |           |           | $\mu\text{A}$               |
| ブレイクオーバー電流<br>Breakover Current  | $I_{\text{BO}}$  |                                                                          | MAX 0.5     |           |           | mA                          |
| 保持電流<br>Holding Current          | $I_H$            |                                                                          | TYP 50      |           |           | mA                          |
| オン電圧<br>On-state Voltage         | $V_T$            | $I_T = 1\text{A}$                                                        | MAX 3.0     |           |           | V                           |
| スイッチング抵抗<br>Switching Resistance | $R_S$            |                                                                          | MIN 0.1     |           |           | $\text{k}\Omega$            |
| 熱抵抗<br>Thermal Resistance        | $\theta_{jI}$    | 接合部・リード間<br>Junction to lead                                             | MAX 15      |           |           | $^{\circ}\text{C}/\text{W}$ |

外形寸法図 Outline Dimensions

Package : AX10



●捺印面展開図 Marking

品名略号(例)

Type No.

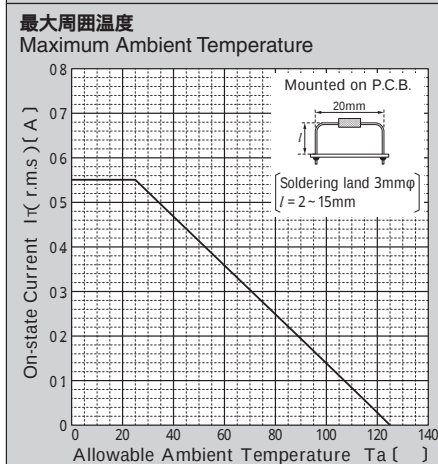
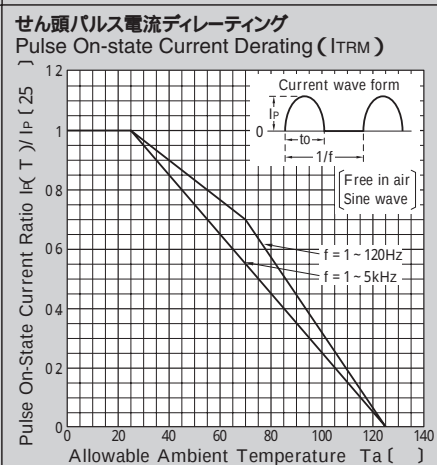
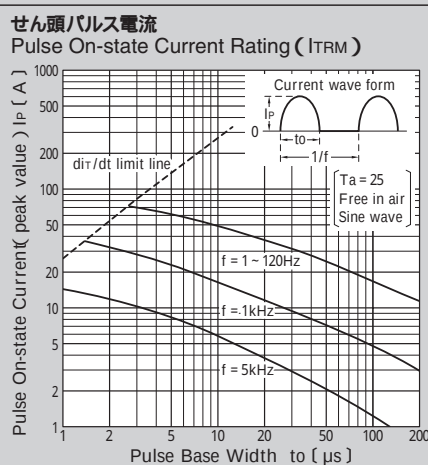
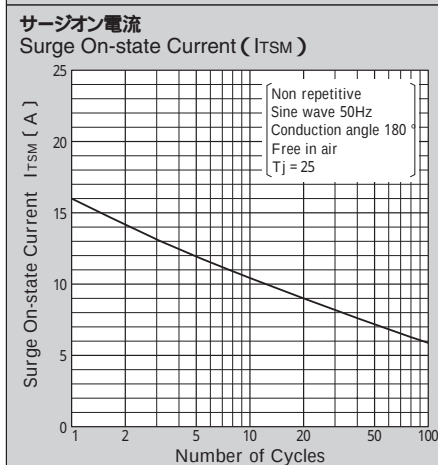
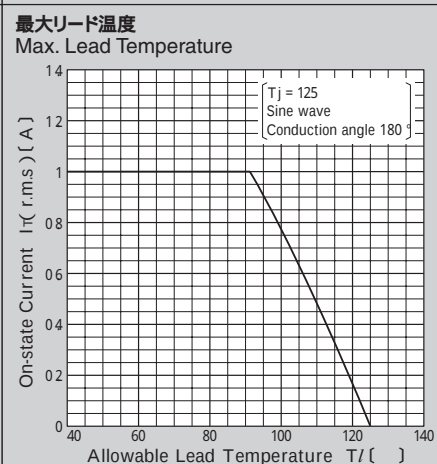
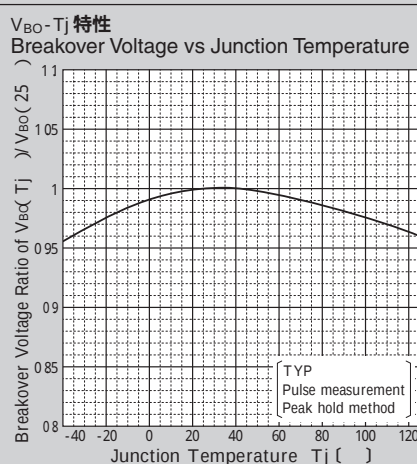
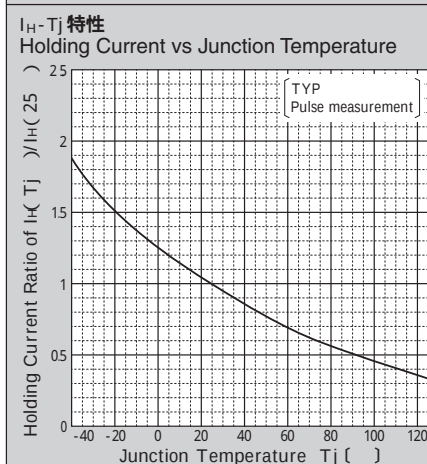
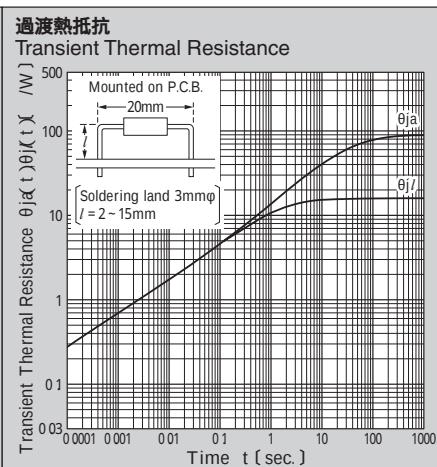
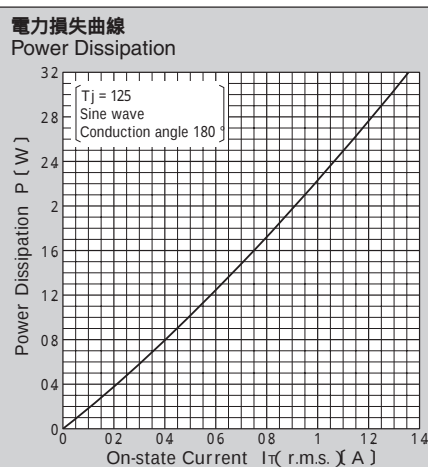
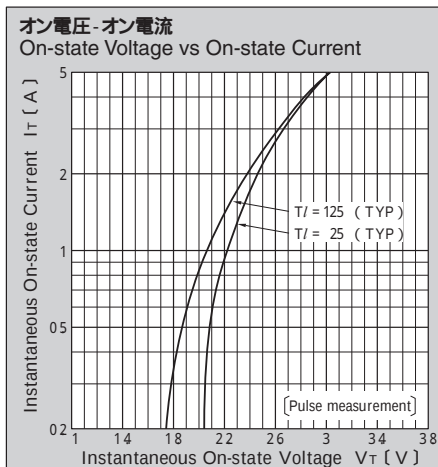
K1V22(W) : KL  
K1V24(W) : KN  
K1V26(W) : KP



ロット記号(例)  
Date code



# 特性図 Characteristic Diagrams



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