

## ST02-120F1

### 120V

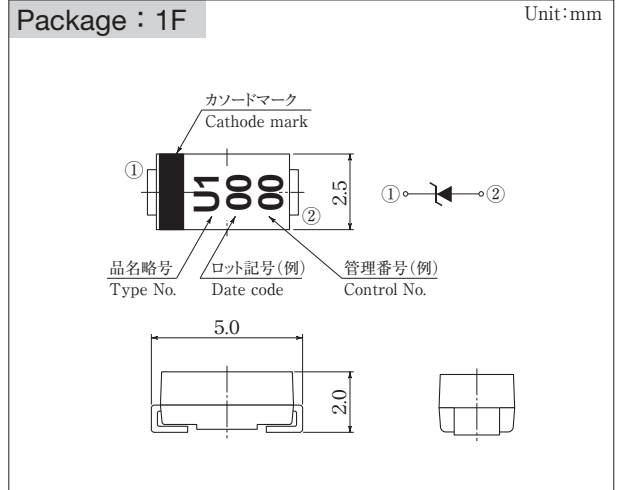
#### 特長

- 1 Wクラス
- 小型SMD
- 車載用途も対応可能

#### Feature

- 1W Class
- Small SMD
- Available for automotive use

#### ■外観図 OUTLINE



外形図については新電元Webサイトをご参照下さい。捺印表示については捺印仕様をご確認下さい。

For details of the outline dimensions, refer to our web site. As for the marking, refer to the specification "Marking, Terminal Connection".

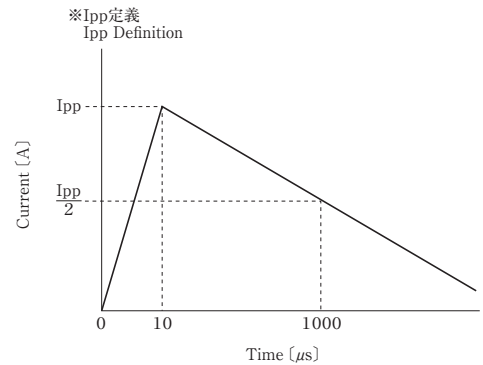
#### ■定格表 RATINGS

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

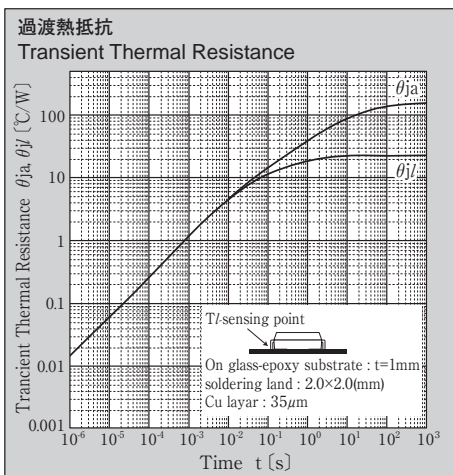
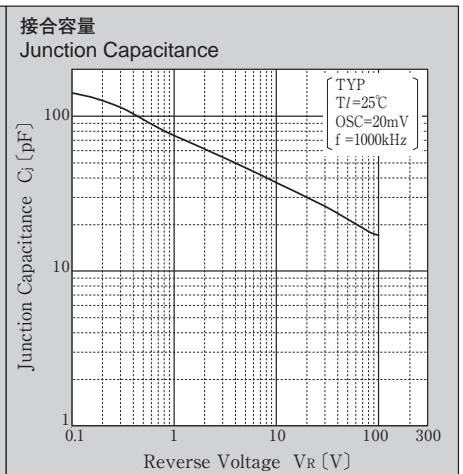
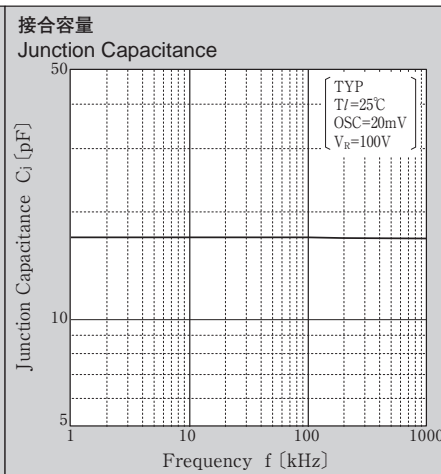
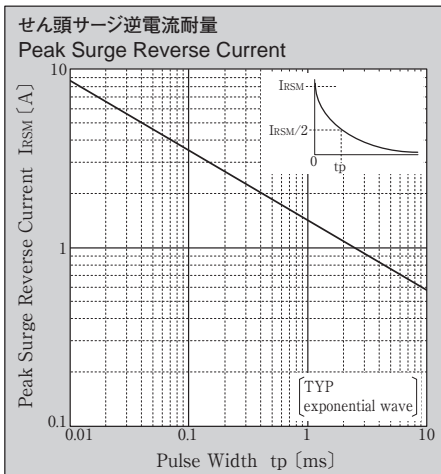
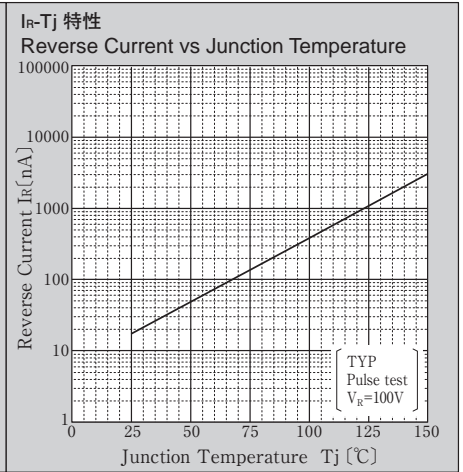
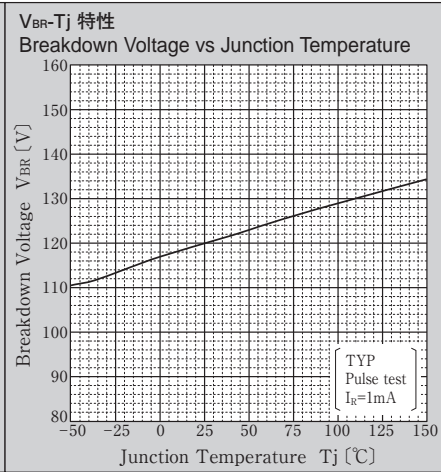
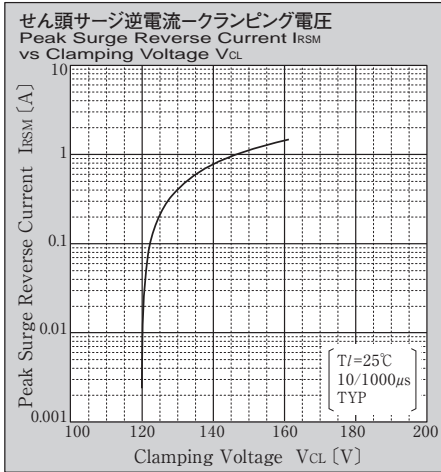
| 項目<br>Item                                 | 記号<br>Symbol | 条件<br>Conditions  | 規格値<br>Ratings | 単位<br>Unit       |
|--|--------------|---|----------------|------------------|
| 保存温度<br>Storage Temperature                | $T_{stg}$    |   | - 55 ~ 175     | $^\circ\text{C}$ |
| 接合部温度<br>Operating Junction Temperature    | $T_j$        |   | 150            | $^\circ\text{C}$ |
| せん頭サージ逆電流<br>Maximum Surge Reverse Current | $I_{RSM}$    | 10/1000 $\mu\text{s}$ 非繰り返し<br>10/1000 $\mu\text{s}$ Non-repetitive | 1.4            | A                |
| せん頭サージ逆電力<br>Maximum Surge Reverse Power   | $P_{RSM}$    | 10/1000 $\mu\text{s}$ 非繰り返し<br>10/1000 $\mu\text{s}$ Non-repetitive | 200            | W                |
| 連続印加電圧<br>Maximum Reverse Voltage          | $V_{RM}$     |   | 100            | V                |

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

|                             |               |  |                    |                           |
|-----------------------------|---------------|--|--------------------|---------------------------|
| 動作開始電圧<br>Breakdown Voltage | $V_{BR}$      | $I_R = 1\text{mA}$   | MIN 110<br>MAX 130 | V                         |
| 逆電流<br>Reverse Current      | $I_R$         | $V_R = 33\text{V}$ , パルス測定<br>Pulse measurement                    | MAX 5.0            | $\mu\text{A}$             |
| 熱抵抗<br>Thermal Resistance   | $\theta_{jl}$ | 接合部・リード間, プリント基板実装<br>Junction to lead, On glass-epoxy substrate   | MAX 23             | $^\circ\text{C}/\text{W}$ |
|                             | $\theta_{ja}$ | 接合部・周囲間, プリント基板実装<br>Junction to ambient, On glass-epoxy substrate | MAX 157            |                           |



■特性図 CHARACTERISTIC DIAGRAMS



\* Sine waveは50Hzで測定しています。  
\* 50Hz sine wave is used for measurements.

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  - 【特別用途】  
輸送機器(車載、船舶等)、基幹用通信機器、交通信号機器、防災/防犯機器、各種安全機器、医療機器等
  - 【特定用途】  
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[Specific applications]

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