

**D1FJ8A****80V 3A****特長**

- 小型SMD
- 低 $I_R$

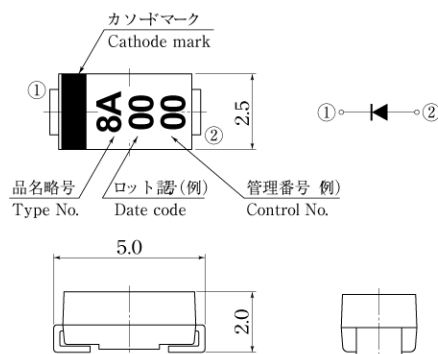
**Feature**

- Small SMD
- Low  $I_R$

**■外観図 OUTLINE**

Package : 1F

Unit:mm



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  $T_I = 25^\circ\text{C}$ )**

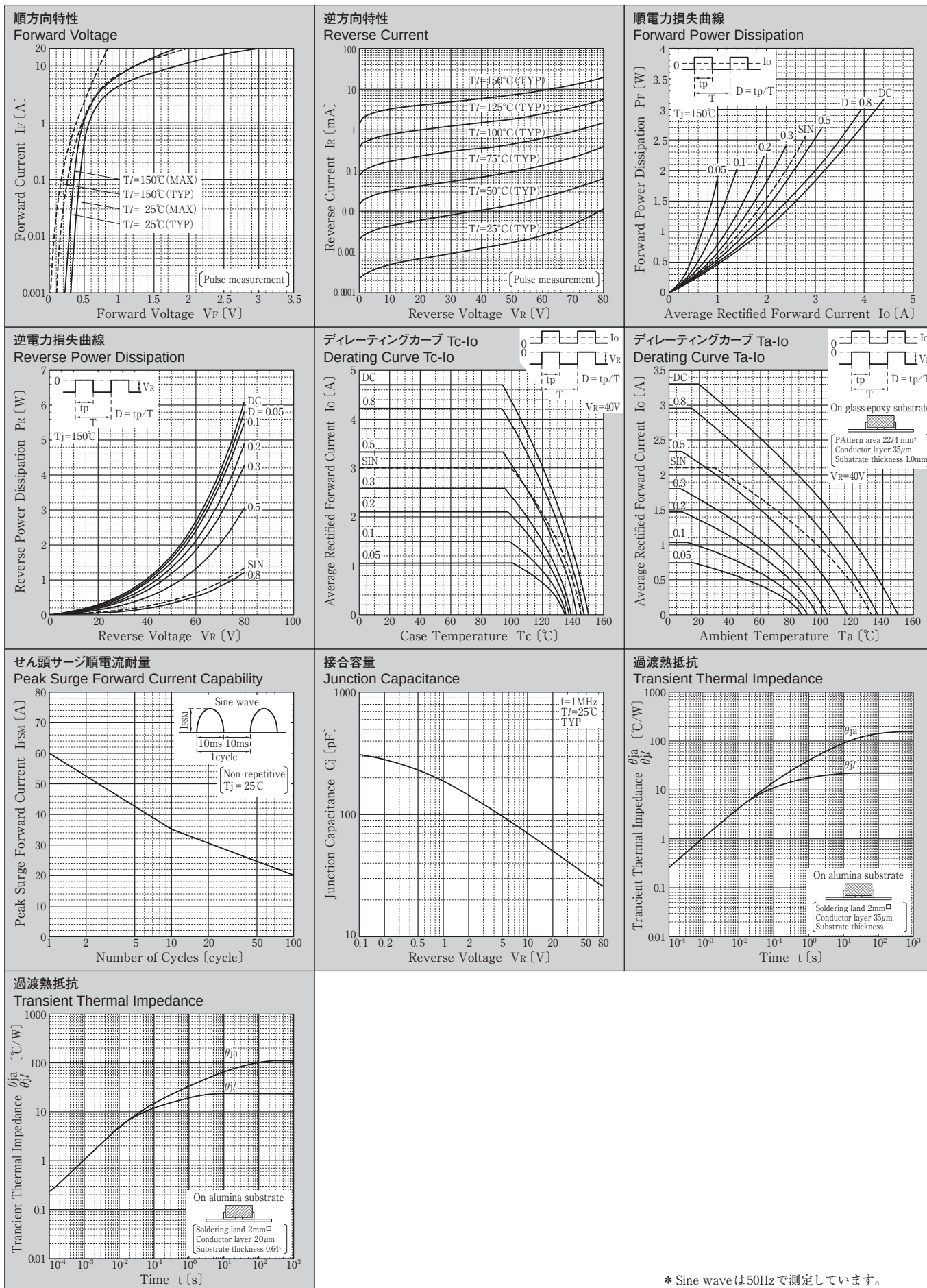
| 項目<br>Item                                | 記号<br>Symbol | 条件<br>Conditions                                                                                                                  | 規格値<br>Ratings | 単位<br>Unit       |
|-------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|
| 保存温度<br>Storage Temperature               | $T_{stg}$    |                                                                                                                                   | - 55 ~ 150     | $^\circ\text{C}$ |
| 接合部温度<br>Operation Junction Temperature   | $T_j$        |                                                                                                                                   | 150            | $^\circ\text{C}$ |
| せん頭逆電圧<br>Maximum Reverse Voltage         | $V_{RM}$     |                                                                                                                                   | 80             | V                |
| 出力電流<br>Average Rectified Forward Current | $I_O$        | 50Hz 正弦波, 抵抗負荷<br>50Hz sine wave, Resistance load                                                                                 | 2.1            | A                |
|                                           |              | $T_a = 30^\circ\text{C}$ * プリント基板実装<br>On glass-epoxy substrate<br>$T_c = 100^\circ\text{C}$                                      | 3              |                  |
| せん頭サージ順電流<br>Peak Surge Forward Current   | $I_{FSM}$    | 50Hz 正弦波, 非繰り返し1サイクルせん頭値, $T_j = 25^\circ\text{C}$<br>50Hz sine wave, Non-repetitive 1 cycle peak value, $T_j = 25^\circ\text{C}$ | 30             | A                |

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

|                              |               |                                                                      |          |                           |
|------------------------------|---------------|----------------------------------------------------------------------|----------|---------------------------|
| 順電圧<br>Forward Voltage       | $V_F$         | $I_F = 3\text{A}$ , パルス測定<br>Pulse measurement                       | MAX 0.74 | V                         |
| 逆電流<br>Reverse Current       | $I_R$         | $V_R = 80\text{V}$ , パルス測定<br>Pulse measurement                      | MAX 400  | $\mu\text{A}$             |
| 接合容量<br>Junction Capacitance | $C_j$         | $f = 1\text{MHz}$ , $V_R = 10\text{V}$                               | TYP 70   | pF                        |
| 熱抵抗<br>Thermal Resistance    | $\theta_{jc}$ | 接合部・ケース間<br>Junction to case                                         | MAX 16   | $^\circ\text{C}/\text{W}$ |
|                              | $\theta_{ja}$ | 接合部・周囲間, プリント基板実装*<br>Junction to ambient, On glass-epoxy substrate* | MAX 65   |                           |

\* 銅箔面積  $2274\text{mm}^2$ \* pattern area  $2274\text{mm}^2$

# ■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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工作機器、パーソナル機器、産業用機器等  
[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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等
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**[Specific applications]**

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