

**S2L60****600V 1.5A****特長**

- 高耐圧FRD
- 低ノイズ
- trr=50ns

**Feature**

- High Voltage Super FRD
- Low Noise
- trr=50ns

**用途**

- PFC
- スイッチング電源
- フライホール
- 家電、OA、照明

**Main Use**

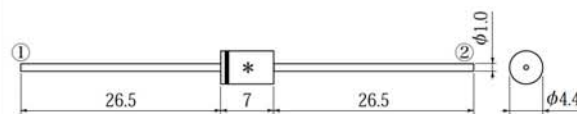
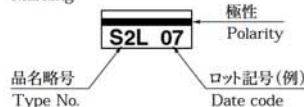
- PFC(Power Factor Correction)
- Switching Regulator
- Fly Wheel
- Home Appliance, Office Automation, Lighting

**■外観図 OUTLINE**

Package : AX10

Unit:mm

Weight 0.65g(Typ)

\* 捺印面展開図  
Marking

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".

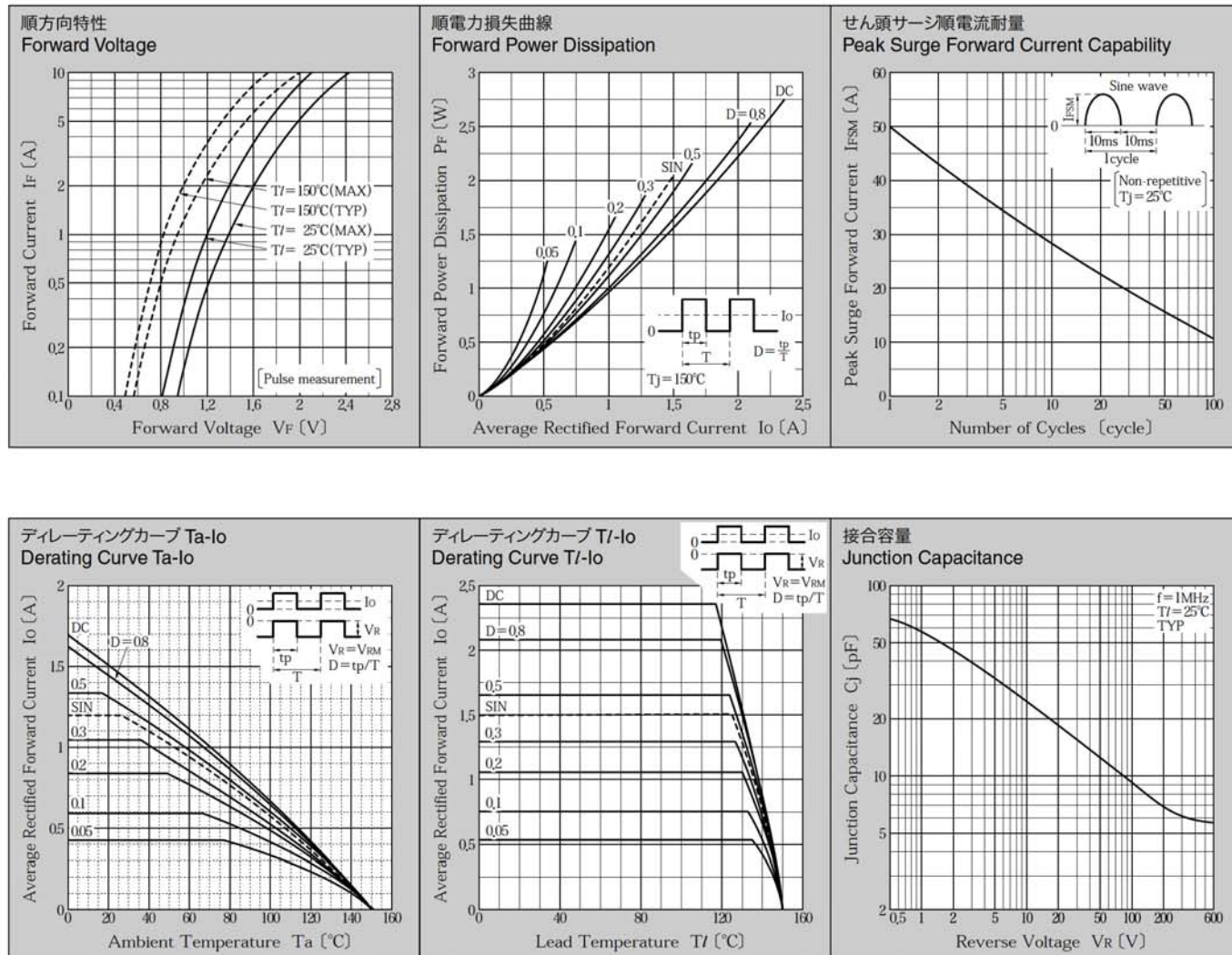
**■定格表 RATINGS****●絶対最大定格 Absolute Maximum Ratings** (指定のない場合  $T_I = 25^\circ\text{C}$ )

| 項目<br>Item                                | 記号<br>Symbol     | 条件<br>Conditions                                                                                                         | 品名<br>Type No.        | S2L60      | 単位<br>Unit |
|-------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------------|
| 保存温度<br>Storage Temperature               | Tstg             |                                                                                                                          |                       | - 55 ~ 150 | ℃          |
| 接合部温度<br>Operation Junction Temperature   | Tj               |                                                                                                                          |                       | 150        | ℃          |
| せん頭逆電圧<br>Maximum Reverse Voltage         | V <sub>RM</sub>  |                                                                                                                          |                       | 600        | V          |
| 出力電流<br>Average Rectified Forward Current | I <sub>O</sub>   | 50Hz正弦波, 抵抗負荷<br>50Hz sine wave, Resistance load                                                                         | T <sub>a</sub> = 25℃  | 1.2        | A          |
|                                           |                  |                                                                                                                          | T <sub>I</sub> = 125℃ | 1.5        |            |
| せん頭サージ順電流<br>Peak Surge Forward Current   | I <sub>FSM</sub> | 50Hz正弦波, 非繰り返し1サイクルせん頭値, T <sub>j</sub> = 25℃<br>50Hz sine wave, Non-repetitive 1 cycle peak value, T <sub>j</sub> = 25℃ |                       | 50         | 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 <sub>F</sub>  | I <sub>F</sub> = 1.5A, パルス測定<br>Pulse measurement             | MAX 1.5 | V   |
| 逆電流<br>Reverse Current         | I <sub>R</sub>  | V <sub>R</sub> = V <sub>RM</sub> , パルス測定<br>Pulse measurement | MAX 10  | μA  |
| 逆回復時間<br>Reverse Recovery Time | trr             | I <sub>F</sub> = 0.5A, I <sub>R</sub> = 1.0A                  | MAX 50  | ns  |
| 熱抵抗<br>Thermal Resistance      | θ <sub>jl</sub> | 接合部・リード間<br>Junction to lead                                  | MAX 12  | ℃/W |
|                                | θ <sub>ja</sub> | 接合部・周囲間<br>Junction to ambient                                | MAX 83  |     |

## ■特性図 CHARACTERISTIC DIAGRAMS



\* Sine waveは50Hzで測定しています。  
 \* 50Hz sine wave is used for measurements.  
 \* 半導体製品の特性は一般的にバラツキを持っています。  
 Typical is a statistical average of the device's ability.  
 \* Semiconductor products generally have characteristic variation.  
 Typical is a statistical average of the device's ability.

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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】

原子力制御システム、航空機器、航空宇宙機器、海底中継機器、生命維持のための装置、システム  
等

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[Special applications]

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[Specific applications]

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