

**SANYO**

No.2376

**DSB15T**

Diffused Junction Type Silicon Diode

1.5A Power Rectifier

**Features**

- Plastic molded structure
- Peak reverse voltage  $V_{RM} = -100$  to  $-1000V$
- Average rectified current  $I_O = 1.5A$

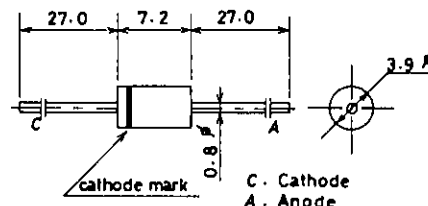
**Absolute Maximum Ratings at  $T_a = 25^\circ C$** 

|                           |           |                            | DSB15TB | DSB15TC     | DSB15TE | unit       |
|---------------------------|-----------|----------------------------|---------|-------------|---------|------------|
| Peak Reverse Voltage      | $V_{RM}$  |                            | -100    | -200        | -400    | V          |
| Average Rectified Current | $I_O$     | $T_a = 60^\circ C$         | →       | →           | 1.5     | A          |
| Surge Forward Current     | $I_{FSM}$ | 50Hz sine wave,<br>1 cycle | →       | →           | 130     | A          |
| Junction Temperature      | $T_j$     |                            | →       | →           | 150     | $^\circ C$ |
| Storage Temperature       | $T_{stg}$ |                            | →       | -40 to +150 |         | $^\circ C$ |

|                           |           |                            | DSB15TG | DSB15TJ     | DSB15TL | unit       |
|---------------------------|-----------|----------------------------|---------|-------------|---------|------------|
| Peak Reverse Voltage      | $V_{RM}$  |                            | -600    | -800        | -1000   | V          |
| Average Rectified Current | $I_O$     | $T_a = 60^\circ C$         | →       | →           | 1.5     | A          |
| Surge Forward Current     | $I_{FSM}$ | 50Hz sine wave,<br>1 cycle | →       | →           | 80      | A          |
| Junction Temperature      | $T_j$     |                            | →       | →           | 150     | $^\circ C$ |
| Storage Temperature       | $T_{stg}$ |                            | →       | -40 to +150 |         | $^\circ C$ |

**Electrical Characteristics at  $T_a = 25^\circ C$** 

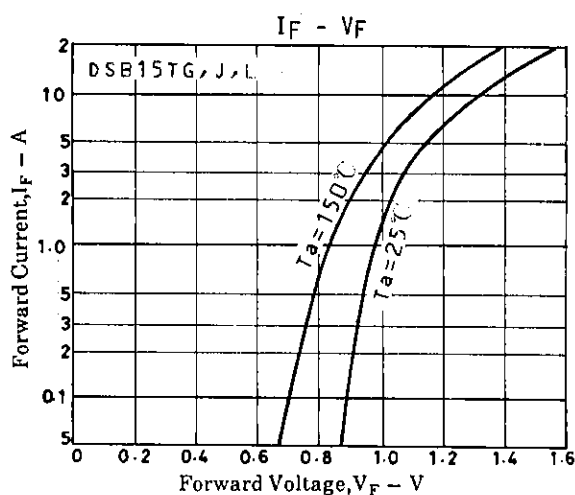
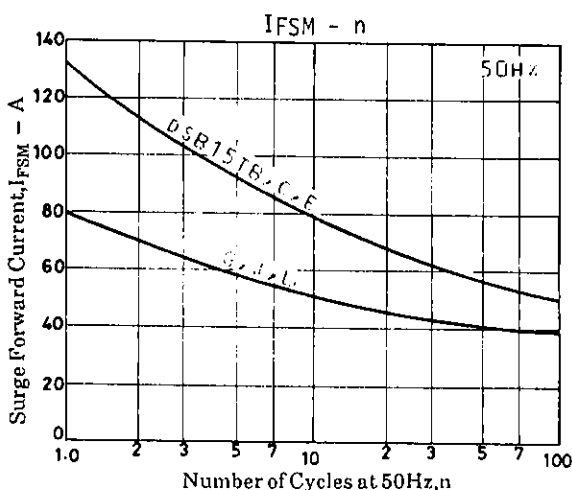
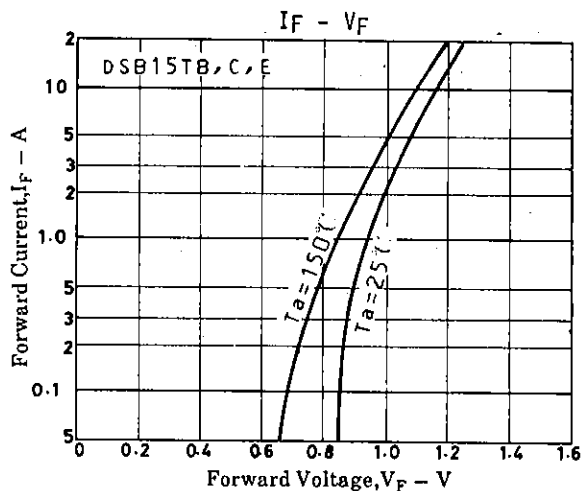
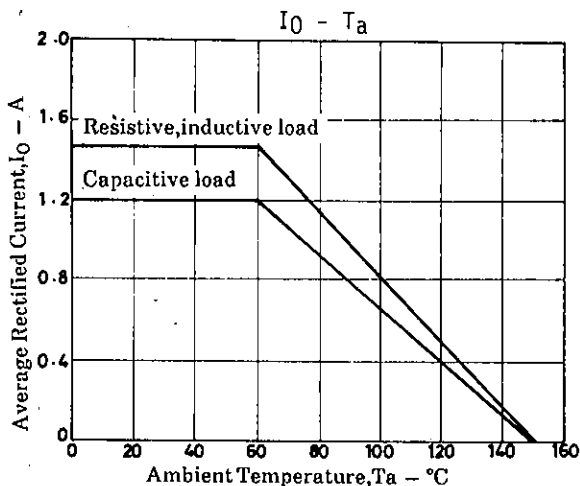
|                 |       |                          | min | typ | max  | unit    |
|-----------------|-------|--------------------------|-----|-----|------|---------|
| Forward Voltage | $V_F$ | $I_F = 1.5A$ (B,C,E)     |     |     | 0.95 | V       |
|                 |       | $I_F = 1.5A$ (G,J,L)     |     |     | 1.0  | V       |
| Reverse Current | $I_R$ | $V_R$ : At each $V_{RM}$ |     |     | -10  | $\mu A$ |

**Package Dimensions 1172**  
(unit: mm)**SANYO Electric Co., Ltd. Semiconductor Business Headquarters**

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# DSB15T



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