



# SANYO Semiconductors

## DATA SHEET

# DSF10T

Diffused Junction Type Silicon Diode  
1.0A Power Rectifier

### Features

- Meets automatic mounting requirements.
- Plastic molded structure (small size).
- Peak reverse voltage : VRM=100 to 200V.
- Average rectified current : IO=1.0A.

### Specifications

#### Absolute Maximum Ratings at Ta=25°C

| Parameter                 | Symbol | Conditions             | DSF10TB     | DSF10TC | Unit |
|---------------------------|--------|------------------------|-------------|---------|------|
| Peak Reverse Voltage      | VRM    |                        | 100         | 200     | V    |
| Average Rectified Current | IO     | Ta=25°C                | 1.0         |         | A    |
| Surge Forward Current     | IFSM   | 50Hz sine wave, 1cycle | 45          |         | A    |
| Junction Temperature      | Tj     |                        | 150         |         | °C   |
| Storage Temperature       | Tstg   |                        | -40 to +150 |         | °C   |

#### Electrical Characteristics at Ta=25°C

| Parameter       | Symbol | Conditions       | Ratings |     |     | Unit |
|-----------------|--------|------------------|---------|-----|-----|------|
|                 |        |                  | min     | typ | max |      |
| Forward Voltage | VF     | IF=1.0A          |         |     | 1.0 | V    |
| Reverse Current | IR     | VR : At each VRM |         |     | 10  | µA   |

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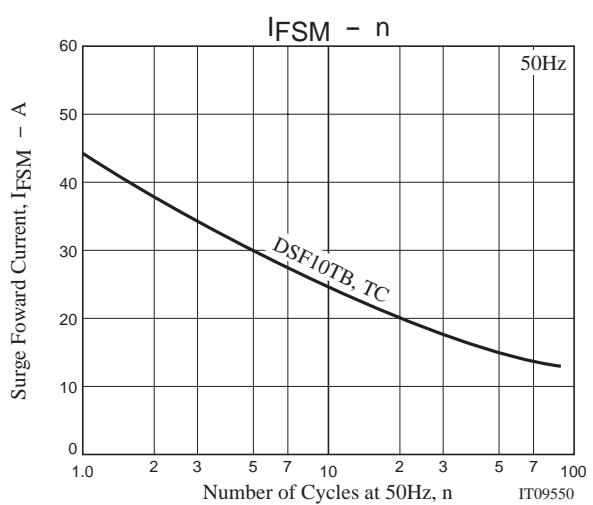
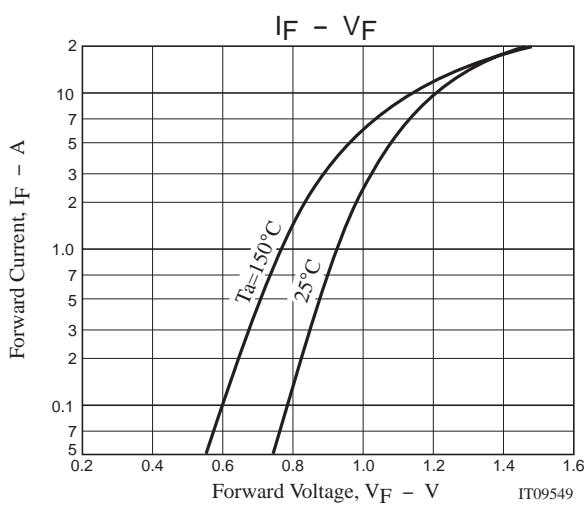
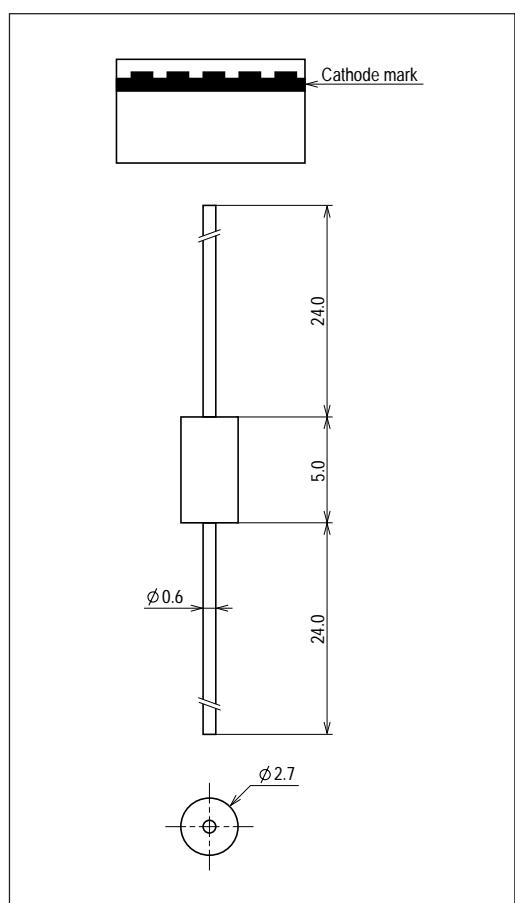
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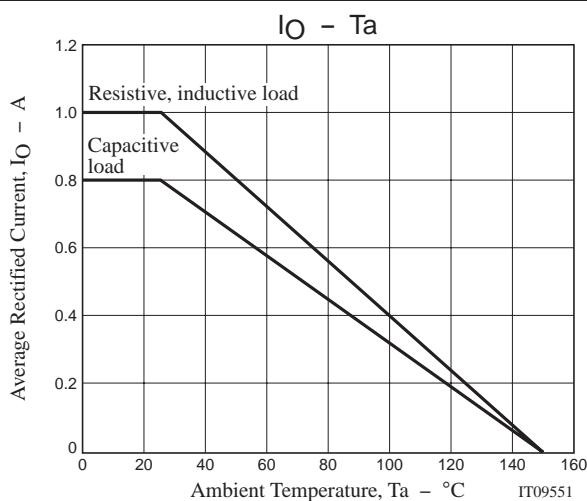
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## Package Dimensions

unit : mm (typ)

1004B





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