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|--------------|---------|--|
| <b>SANYO</b> | No.2408 | <b>DSA20T</b>  |
|              |         | Diffused Junction Type Silicon Diode<br>2.0A Power Rectifier |

**Features**

- Peak reverse voltage  $V_{RM} = -100$  to  $-1000V$
- Average rectified current  $I_O = 2.0A$

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

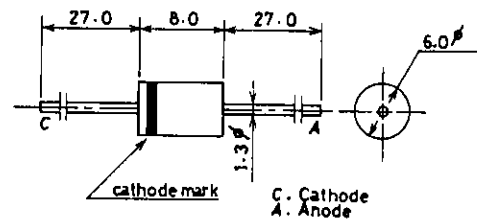
|                           |           |                            | DSA20TB | DSA20TC     | DSA20TE | unit       |
|---------------------------|-----------|----------------------------|---------|-------------|---------|------------|
| Peak Reverse Voltage      | $V_{RM}$  |                            | -100    | -200        | -400    | V          |
| Average Rectified Current | $I_O$     | $T_a = 70^\circ C$         | →       | →           | 2.0     | A          |
| Surge Forward Current     | $I_{FSM}$ | 50Hz sine wave,<br>1 cycle | →       | →           | 160     | A          |
| Junction Temperature      | $T_j$     |                            | →       | →           | 150     | $^\circ C$ |
| Storage Temperature       | $T_{stg}$ |                            | →       | -40 to +150 |         | $^\circ C$ |

|                           |           |                            | DSA20TG | DSA20TJ     | DSA20TL | unit       |
|---------------------------|-----------|----------------------------|---------|-------------|---------|------------|
| Peak Reverse Voltage      | $V_{RM}$  |                            | -600    | -800        | -1000   | V          |
| Average Rectified Current | $I_O$     | $T_a = 40^\circ C$         | →       | →           | 2.0     | A          |
| Surge Forward Current     | $I_{FSM}$ | 50Hz sine wave,<br>1 cycle | →       | →           | 100     | A          |
| Junction Temperature      | $T_j$     |                            | →       | →           | 150     | $^\circ C$ |
| Storage Temperature       | $T_{stg}$ |                            | →       | -40 to +150 |         | $^\circ C$ |

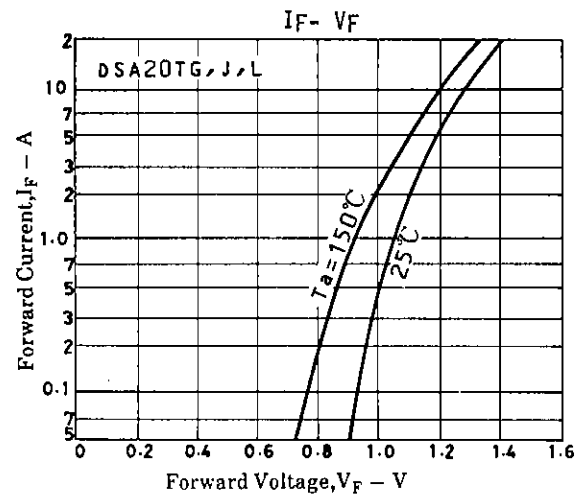
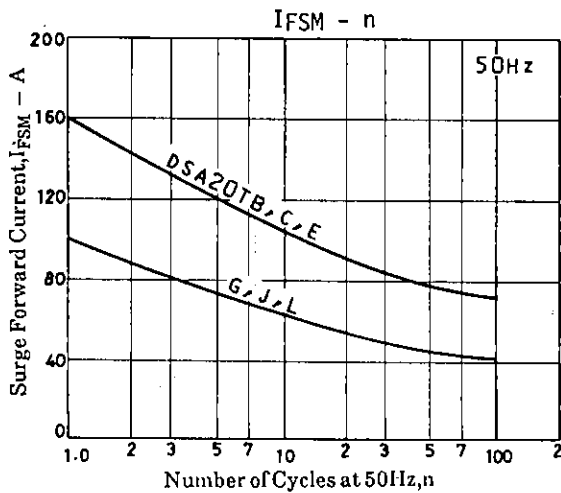
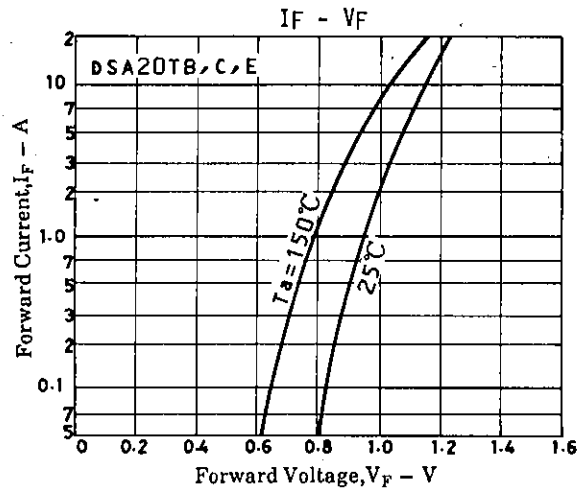
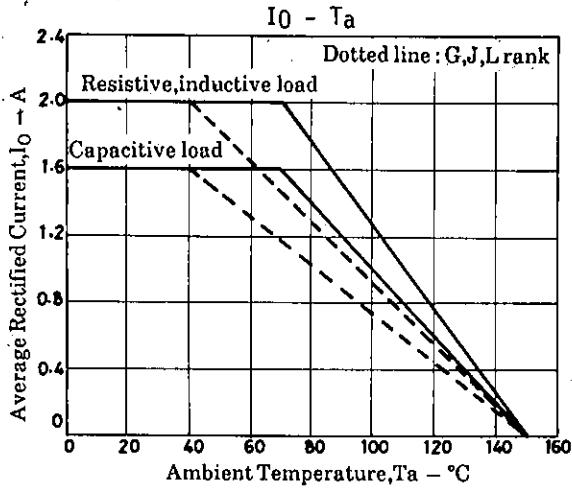
**Electrical Characteristics at  $T_a = 25^\circ C$**

|                 |       |                          | min | typ | max | unit    |
|-----------------|-------|--------------------------|-----|-----|-----|---------|
| Forward Voltage | $V_F$ | $I_F = 2.0A$ (B,C,E,)    |     |     | 1.0 | V       |
|                 |       | $I_F = 2.0A$ (G,J,L)     |     |     | 1.1 | V       |
| Reverse Current | $I_R$ | $V_R$ : At each $V_{RM}$ |     |     | -10 | $\mu A$ |

**Package Dimensions 1176**  
(unit: mm)



# DSA20T



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