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| SANYO | No.2407 | DSC30T |
| | | Diffused Junction Type Silicon Diode 3.0A POWER RECTIFIER |

Features

- . Peak reverse voltage $V_{RM} = -100$ to $-1000V$
- . Average rectified current $I_o = 3.0A$

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

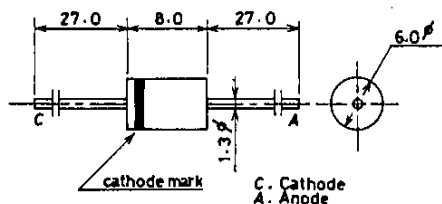
| | | DSC30TB | DSC30TC | DSC30TE | unit |
|---------------------------|-----------------------------------|---------|---------|-------------|------------|
| Peak Reverse Voltage | V_{RM} | -100 | -200 | -400 | V |
| Average Rectified Current | I_o $T_a = 50^\circ C$ | → | → | 3.0 | A |
| Surge Forward Current | I_{FSM} 50Hz sine wave, 1 cycle | → | → | 180 | A |
| Junction Temperature | T_j | → | → | 150 | $^\circ C$ |
| Storage Temperature | T_{stg} | | | -40 to +150 | $^\circ C$ |

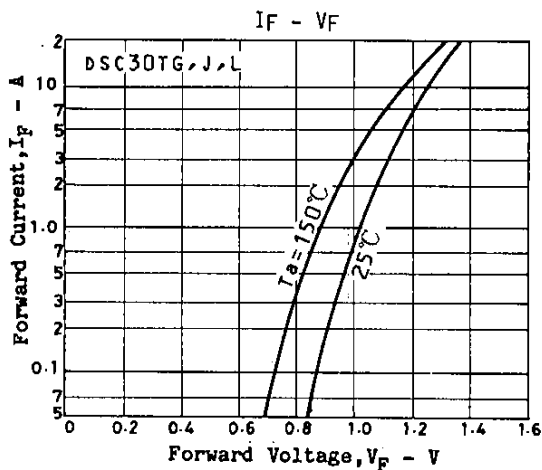
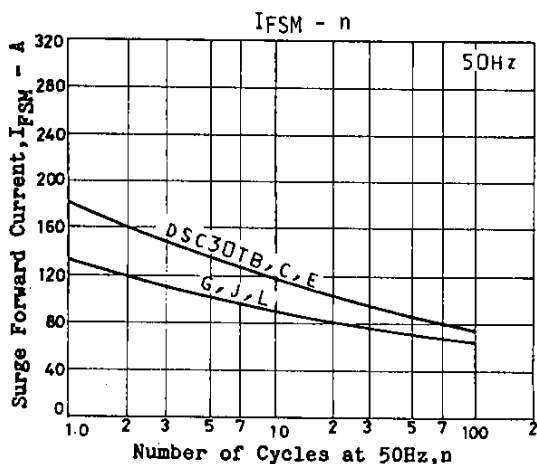
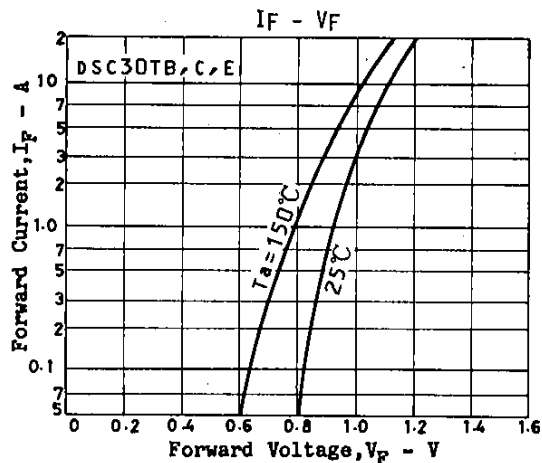
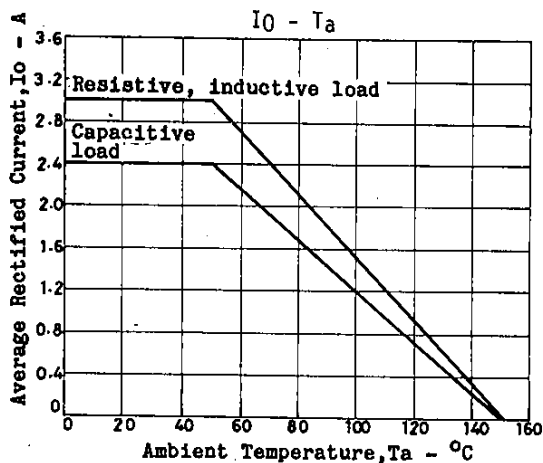
| | | DSC30TG | DSC30TJ | DSC30TL | unit |
|---------------------------|-----------------------------------|---------|---------|-------------|------------|
| Peak Reverse Voltage | V_{RM} | -600 | -800 | -1000 | V |
| Average Rectified Current | I_o $T_a = 50^\circ C$ | → | → | 3.0 | A |
| Surge Forward Current | I_{FSM} 50Hz sine wave, 1 cycle | → | → | 130 | 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 $I_F = 3.0A (B, C, E)$ | | | | 1.0 | V |
| | $I_F = 3.0A (G, J, L)$ | | | | 1.1 | V |
| Reverse Current | I_R V_R : At each V_{RM} | | | | -10 | μA |

Package Dimensions 1176
(unit: mm)





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