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| SANYO | No.2794 | DSM10 |
| | | Silicon Diffused Junction Type 1.0A Power Rectifier |

Features

- Meets the requirements for automatic mounter and permits DSM10-applied sets to be made smaller
- Peak reverse voltage : $V_{RM} = -200$ to $-600V$
- Average rectified current : $I_O = 1.0A$

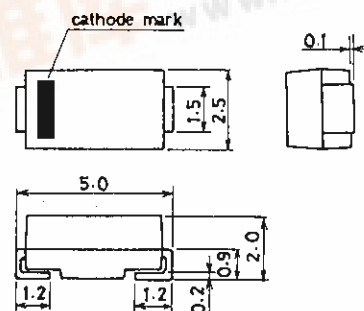
Absolute Maximum Ratings at $T_a = 25^\circ C$

| | | DSM10C | DSM10E | DSM10G | unit |
|---------------------------------|--|--------|--------|-------------|------------|
| Peak Reverse Voltage | V_{RM} | -200 | -400 | -600 | V |
| Average Rectified Current I_O | 50Hz sine wave, mounted on alumina board | → | → | 1.0 | A |
| Surge Forward Current | Load resistor, mounted on PCB | → | → | 0.75 | A |
| | 50Hz sine wave, non-repetitive, 1 cycle peak value | → | → | 25 | A |
| Junction Temperature | T_j | → | → | 150 | $^\circ C$ |
| Storage Temperature | T_{stg} | → | → | -55 to +150 | $^\circ C$ |

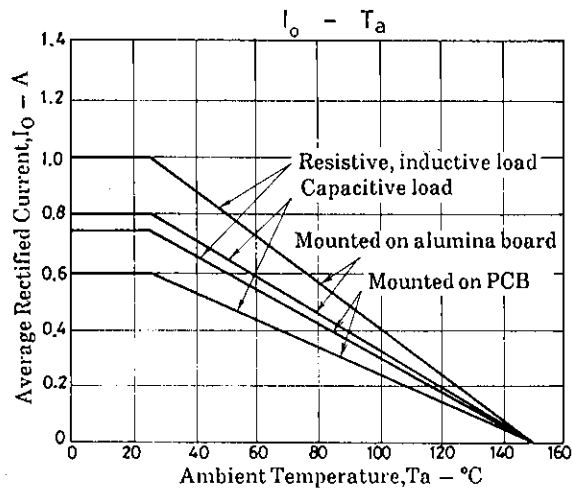
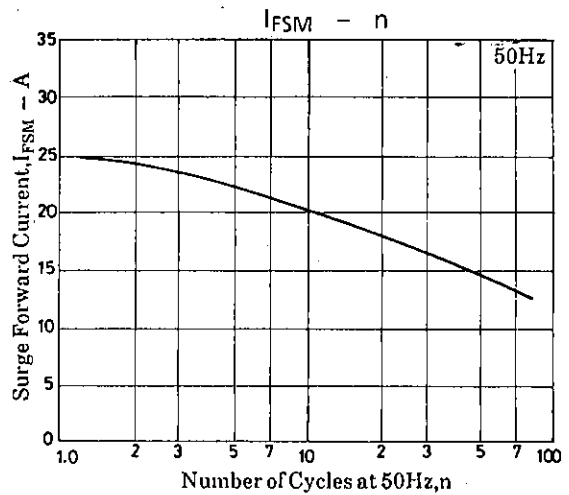
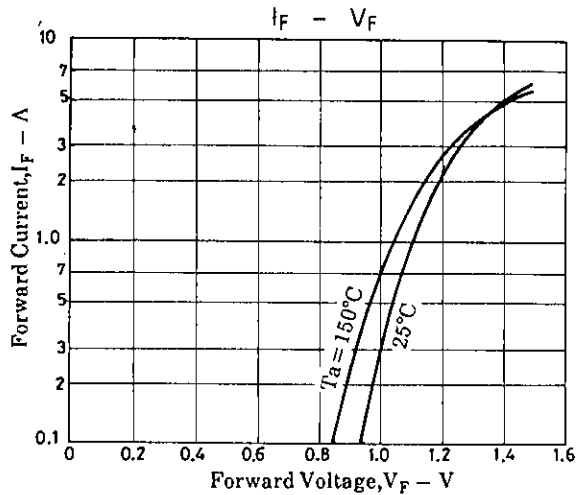
Electrical Characteristics at $T_a = 25^\circ C$

| | | | min | typ | max | unit |
|--------------------|----------------|--------------------------|-----|-----|-----|--------------|
| Forward Voltage | V_F | $I_F = 1A$ | | | 1.1 | V |
| Reverse Current | I_R | $V_R = V_{RM}$ | | | -10 | μA |
| Thermal Resistance | θ_{j-l} | Junction-Lead | | | 23 | $^\circ C/W$ |
| | θ_{j-a} | Junction-Ambient | | | 108 | $^\circ C/W$ |
| | | Mounted on alumina board | | | 157 | $^\circ C/W$ |
| | | Mounted on PCB | | | | |

Package Dimensions 1188 (unit: mm)



DSM10



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