

**SANYO**

No.710D

**DS-135**

Diffused Junction Type Silicon Diode

**1.0A Power Rectifier****Features**

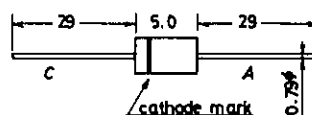
- Plastic molded type
- Peak reverse voltage  $V_{RM} = -100$  to  $-400V$
- Average rectified current  $I_O = 1.0A$

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

|                           |           |                         | DS135E | DS135D | DS135C      | unit       |
|---------------------------|-----------|-------------------------|--------|--------|-------------|------------|
| Peak Reverse Voltage      | $V_{RM}$  |                         | -100   | -200   | -400        | V          |
| Average Rectified Current | $I_O$     | $T_a = 60^\circ C$      | →      | →      | 1.0         | A          |
| Surge Forward Current     | $I_{FSM}$ | 50Hz sine wave, 1 cycle | →      | →      | 50          | A          |
| Junction Temperature      | $T_j$     |                         | →      | →      | 150         | $^\circ C$ |
| Storage Temperature       | $T_{stg}$ |                         | →      | →      | -40 to +150 | $^\circ C$ |

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

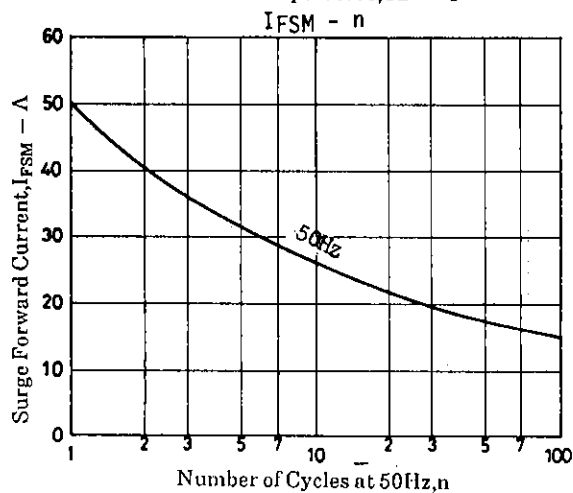
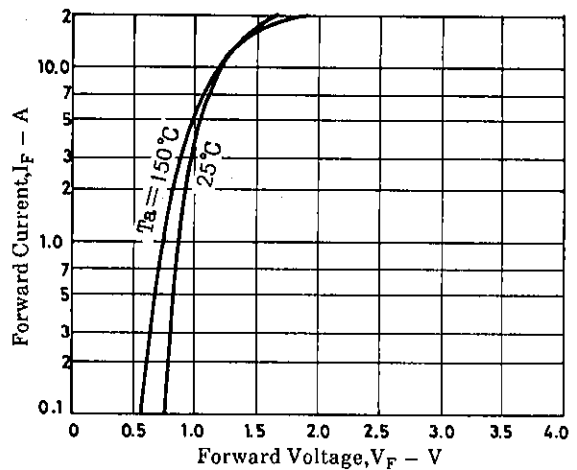
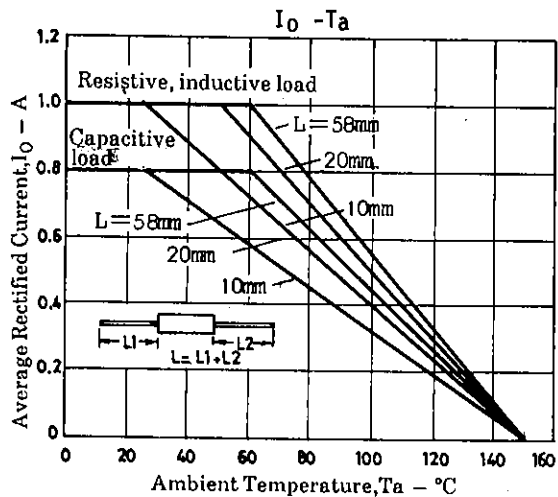
|                 |       |                          | min | typ | max | unit    |
|-----------------|-------|--------------------------|-----|-----|-----|---------|
| Forward Voltage | $V_F$ | $I_F = 1.0A$             |     |     | 1.0 | V       |
| Reverse Current | $I_R$ | $V_R$ : At each $V_{RM}$ |     |     | -10 | $\mu A$ |

**Package Dimensions 1005**  
(unit: mm)

C: Cathode  
A: Anode

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