

**DS135**

Diffused Junction Type Silicon Diode

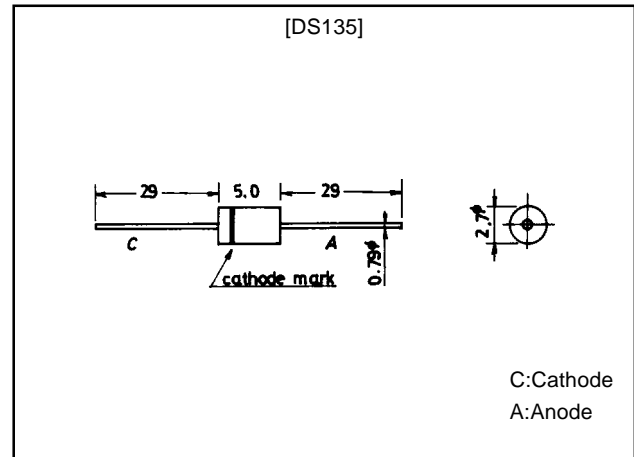
1.0A Power Rectifier**Features**

- Plastic molded type.
- Peak reverse voltage : 100 to 400V.
- Average rectified current : $I_O=1.0A$.

Package Dimensions

unit:mm

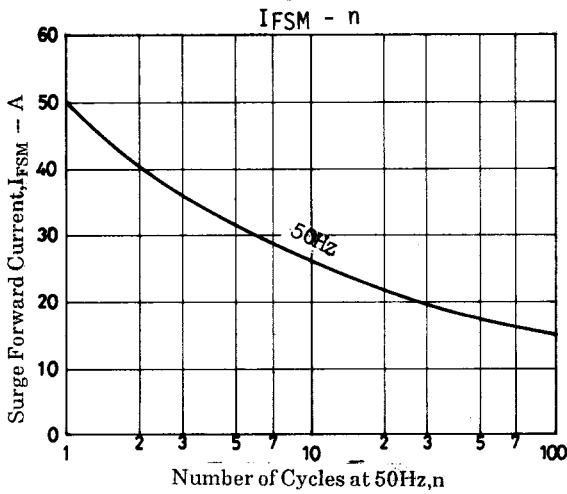
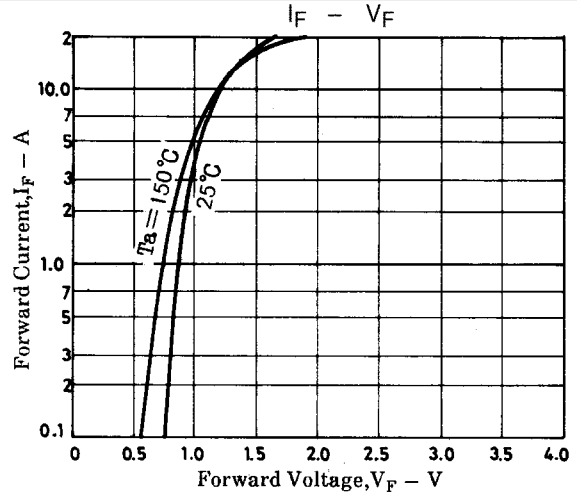
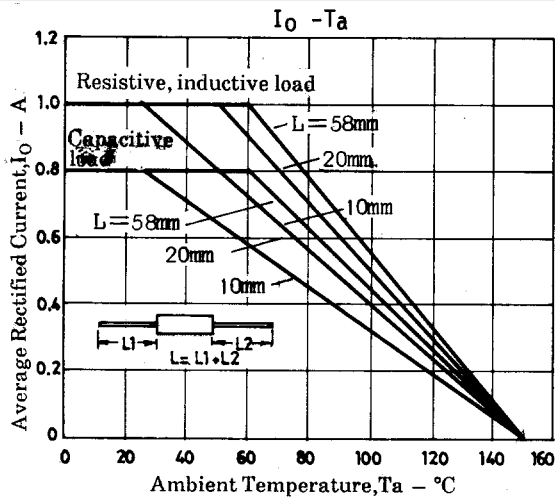
1005

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

| Parameter | Symbol | Conditions | 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 $T_a = 25^\circ C$

| Parameter | Symbol | Conditions | Ratings | | | Unit |
|-----------------|--------|-------------------------|---------|-----|-----|---------|
| | | | min | typ | max | |
| Forward Voltage | V_F | $I_F=1.0A$ | | | 1.0 | V |
| Reverse Current | I_R | V_R :At each V_{RM} | | | 10 | μA |



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