

# DD600

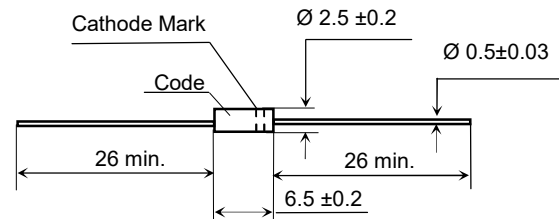
## FAST RECOVERY HIGH VOLTAGE RECTIFIER

### Features

- Supersmall size
- High reliability
- High speed switching

### Applications

- Rectification for high voltage power supply of color T.V.
- Rectification for high voltage power supply of CRT display.
- Rectification for high voltage power supply of V.T.R camera.

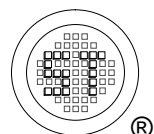


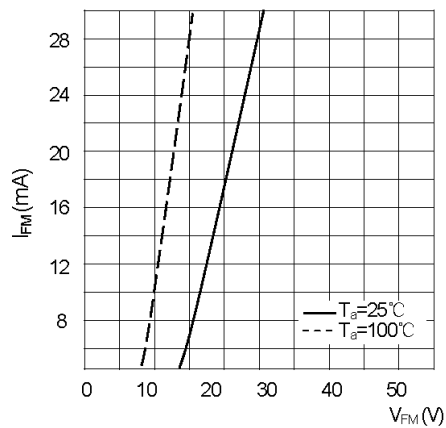
Dimensions in mm

### Maximum Ratings and Electrical Characteristics

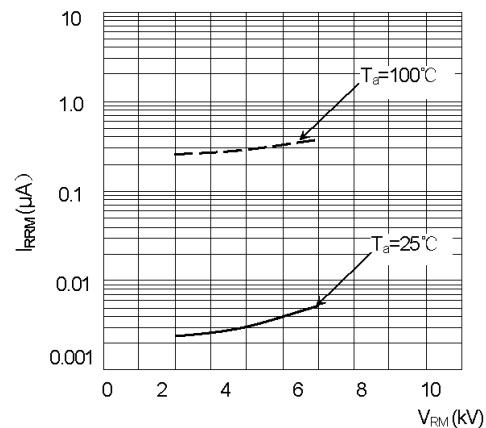
| Parameter                                                                                              | Symbols     | DD600         | Units            |
|--------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|
| Repetitive Peak Reverse Voltage                                                                        | $V_{RRM}$   | 6             | KV               |
| Non-Repetitive Peak Reverse Voltage                                                                    | $V_{RSM}$   | 8             | KV               |
| Average Forward Current                                                                                | $I_{F(AV)}$ | 5             | mA               |
| Non-Repetitive Forward Surge Current, 50 Hz, Half Sine Wave, 1 Cycle, $T_a = 25^\circ\text{C}$         | $I_{FSM}$   | 0.5           | A                |
| Maximum Forward Voltage at $I_F = 10\text{ mA}$                                                        | $V_F$       | 24            | V                |
| Maximum Reverse Current at $V_{RM} = V_{RRM}$<br>$T_a = 25^\circ\text{C}$<br>$T_a = 100^\circ\text{C}$ | $I_R$       | 2<br>5        | $\mu\text{A}$    |
| Maximum Reverse Recovery Time <sup>1)</sup>                                                            | $t_{rr}$    | 0.08          | $\mu\text{s}$    |
| Operating Temperature Range                                                                            | $T_{opr}$   | - 40 to + 100 | $^\circ\text{C}$ |
| Storage Temperature Range                                                                              | $T_S$       | - 40 to + 120 | $^\circ\text{C}$ |

<sup>1)</sup> at  $I_F = 2\text{ mA}$ ,  $I_R = 4\text{ mA}$

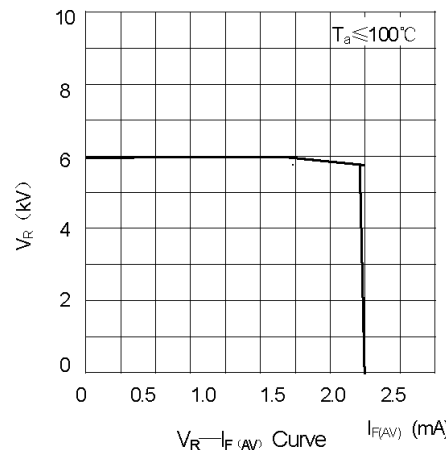




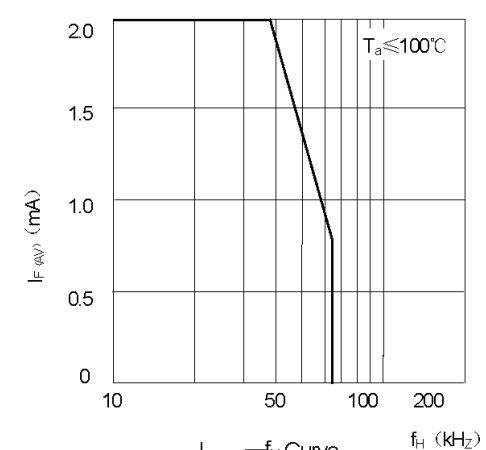
Forward Characteristics



Reverse Characteristics



$V_R - I_{F(AV)}$  Curve



$I_{F(AV)} - f_H$  Curve

