

DD16

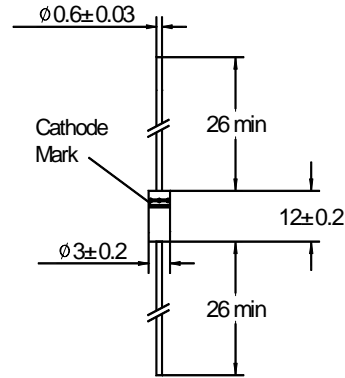
FAST RECOVERY HIGH VOLTAGE DIODES

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 others.



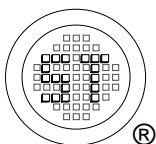
Dimensions in mm

Absolute Maximum Ratings

| | Symbol | Value | Unit |
|--|-------------|------------|------------------|
| Repetitive Peak Reverse Voltage | V_{RRM} | 16 | KV |
| Non-Repetitive Peak Reverse Voltage | V_{RSM} | 20 | KV |
| Average Forward Current 50Hz Half-sine wave, Resistance load, $T_a=25^\circ\text{C}$ | $I_{F(AV)}$ | 5 | mA |
| Surge(Non-Repetitive) Forward Current 50Hz Half-sine wave, 1/2cycle, $T_a=25^\circ\text{C}$ | I_{FSM} | 0.5 | A |
| Operating Ambient Temperature | T_a | -40 to 100 | $^\circ\text{C}$ |
| Storage Temperature | T_{stg} | -40 to 120 | $^\circ\text{C}$ |
| Virtual Junction Temperature | $T_{(vj)}$ | 120 | $^\circ\text{C}$ |

Characteristics ($T_a=25^\circ\text{C}$ unless otherwise specified)

| | Symbol | Min. | Typ. | Max. | Unit | |
|---|----------|-------------------------|------|------|---------------|---------------|
| Forward Voltage at $I_F=10\text{mA}$ | V_F | - | - | 60 | V | |
| Reverse Current at $V_R=V_{RRM}$ | I_R | $T_a=25^\circ\text{C}$ | - | - | 2 | μA |
| | | $T_a=100^\circ\text{C}$ | - | - | 5 | μA |
| Reverse Recovery Time at $I_F=2\text{mA}$, $I_R=4\text{mA}$ | t_{rr} | - | - | 0.08 | μs | |



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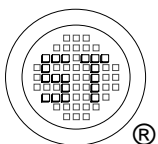
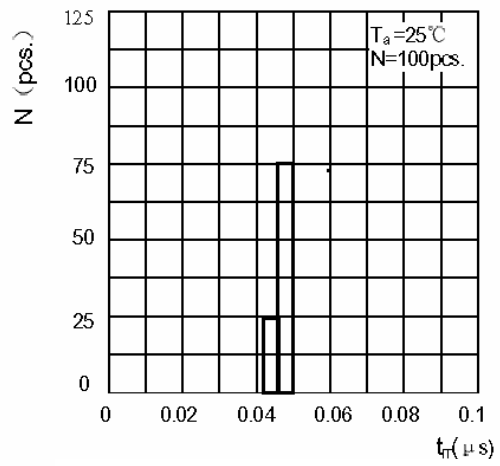
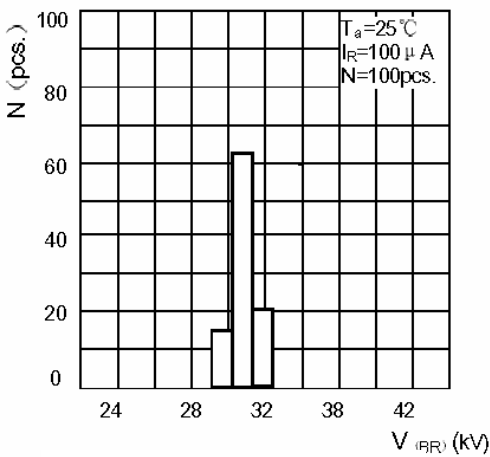
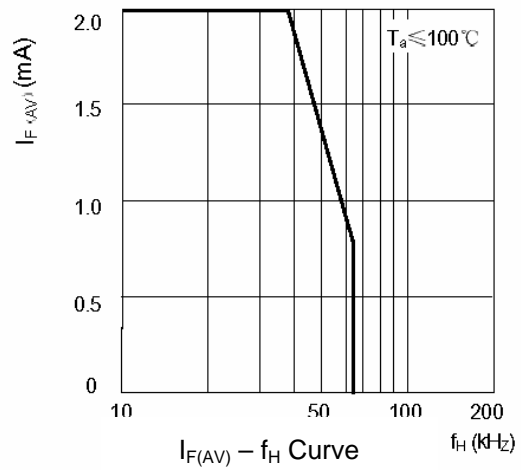
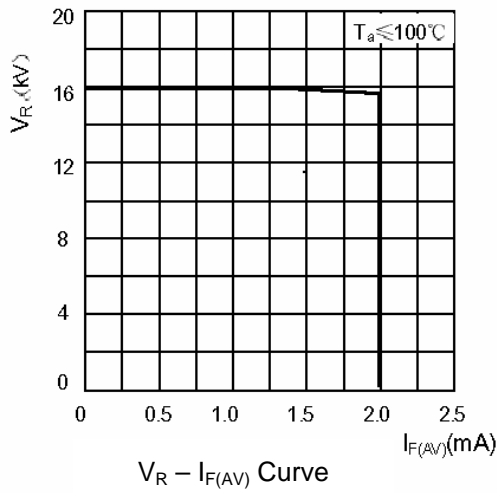
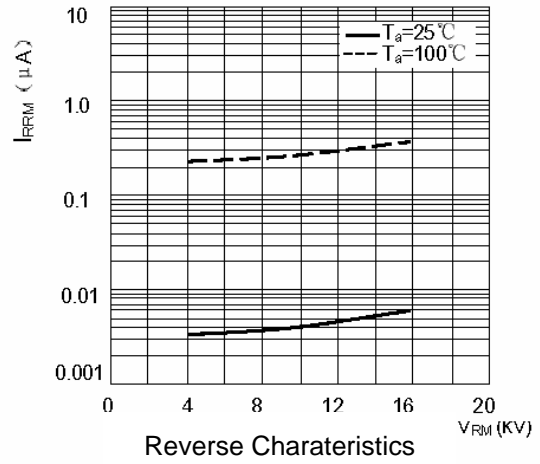
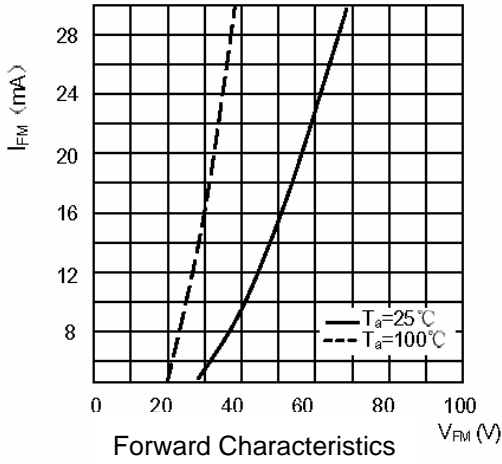
(Subsidiary of Sino-Tech International Holdings Limited, a company listed on the Hong Kong Stock Exchange, Stock Code: 724)



ISO/TS 16949 : 2002 Certificate No. 05103
 ISO 14001:2004 Certificate No. 7116
 ISO 9001:2000 Certificate No. 0506098

Dated : 20/09/2005

Characteristics(Typical)



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