

DD600

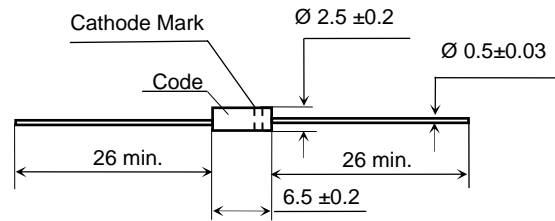
FAST RECOVERY HIGH VOLTAGE RECTIFIER

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.

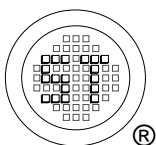


Dimensions in mm

Maximum Ratings and Electrical Characteristics

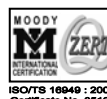
Parameter	Symbols	DD600	Units
Repetitive Peak Reverse Voltage	V_{RRM}	6	KV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	8	KV
Average Forward Current	$I_{F(AV)}$	5	mA
Non-Repetitive Forward Surge Current, 50 Hz, Half Sine Wave, 1 Cycle, $T_a = 25^\circ\text{C}$	I_{FSM}	0.5	A
Maximum Forward Voltage at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

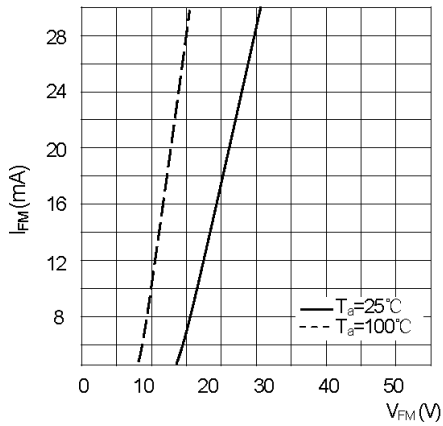
¹⁾ at $I_F = 2\text{ mA}$, $I_R = 4\text{ mA}$



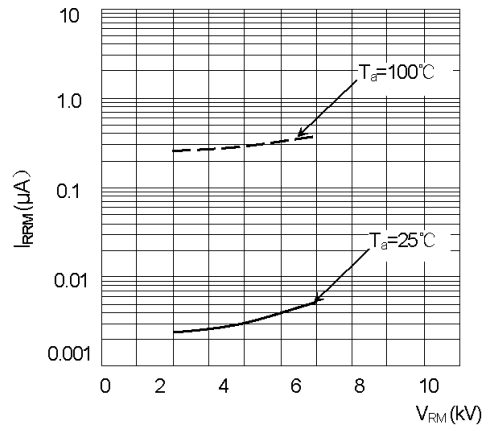
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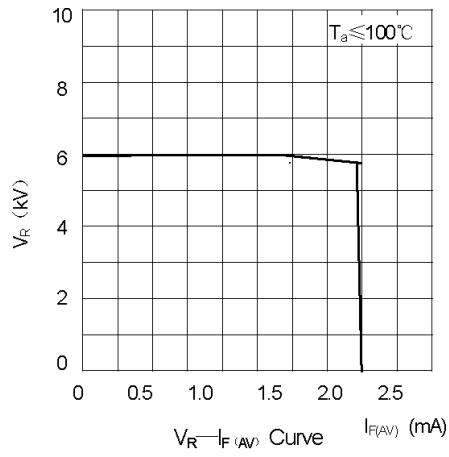




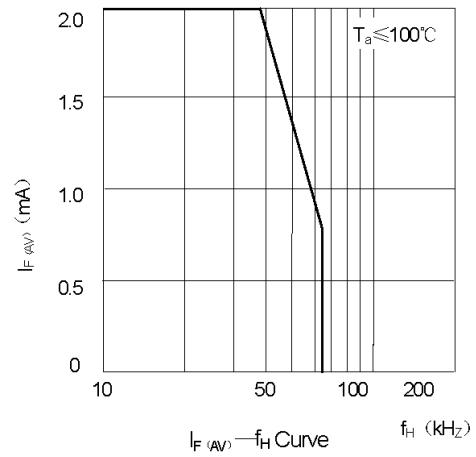
Forward Characteristics



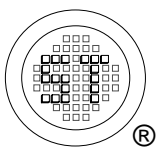
Reverse Characteristics



$V_R - I_{F(AV)}$ Curve $T_a \leq 100^\circ\text{C}$



$I_{F(AV)} - f_H$ Curve $T_a \leq 100^\circ\text{C}$



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