

DD16

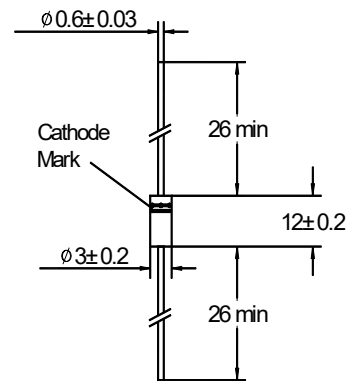
FAST RECOVERY HIGH VOLTAGE DIODES

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	-	-	2	μA
		-	-	5	μA
Reverse Recovery Time at $I_F=2\text{mA}$, $I_R=4\text{mA}$	t_{rr}	-	-	0.08	μs

