

**Fast recovery high voltage diodes**

**Reverse Voltage – 20KV**

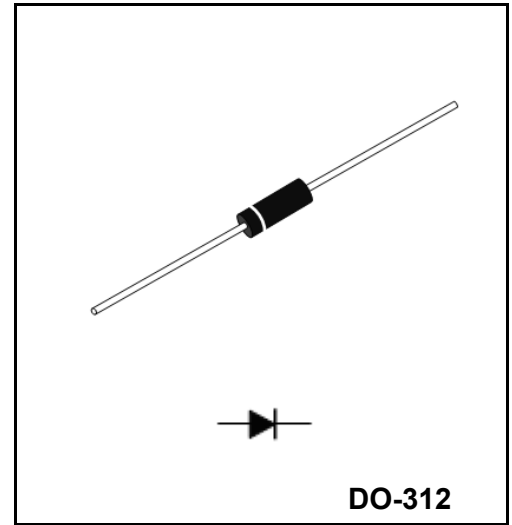
**Forward Current –30mA**

**FEATURES**

- ◆Supersmall size
- ◆High reliability
- ◆High speed switching

**MECHANICAL DATA**

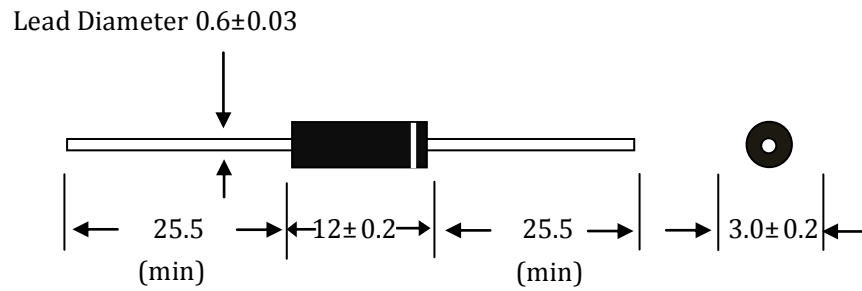
- ◆Case: Molded Plastic Body
- ◆Epoxy meets UL 94V-0 flammability rating
- ◆Terminals: Pure tin plated leads, solderable per J-STD-002and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.
- ◆Polarity: Color band denotes cathode end



**Maximum rating (Ta=25°C unless otherwise noted)**

Item	Symbol	DD2000	Unit
Repetitive peak reverse voltage	$V_{RRM}$	20	KV
Non-Repetitive peak reverse voltage	$V_{RSM}$	20	KV
Average forward current	$I_{F(AV)}$	30	mA
Surge(Non-repetitive)forward current	$I_{FSM}$	3	A
Peak forward voltage $I_{FM}=10mA$	$V_{FM}$	40	V
Peak reverse current $V_{RM}=V_{RRM}$	$I_{RRM}$	5	$\mu A$
Reverse recovery time $I_F=10mA, I_{RM}=10mA$	$T_{rr}$	0.15	$\mu S$
Storage Temperature Range	$T_{stg}$	-40 ~ +150	$^{\circ}C$
Virtual junction temperature	$T_{(vj)}$	150	$^{\circ}C$

Package outline dimensions



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
DO-312	BOX	5000	EIA-481-1