

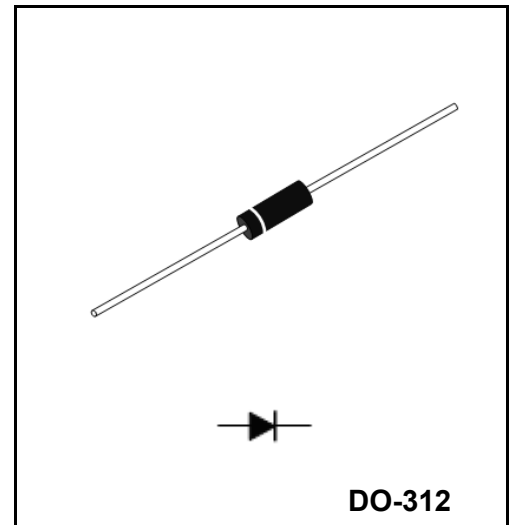
Fast recovery high voltage diodes

Reverse Voltage – 10KV-18KV

Forward Current –20mA

FEATURES

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



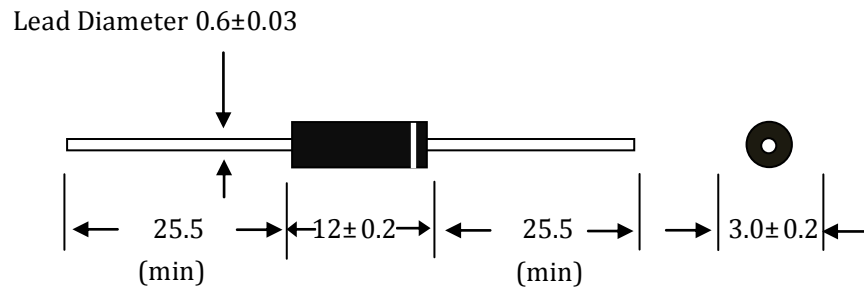
MECHANICAL DATA

- ◆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	DD1000	DD1200	DD1400	DD1600	DD1800	Unit
Repetitive peak reverse voltage	V_{RRM}	10	12	14	16	18	KV
Non-Repetitive peak reverse voltage	V_{RSM}	10	12	14	16	18	KV
Average forward current	$I_{F(AV)}$	20					mA
Surge(Non-repetitive)forward current	I_{FSM}	3					A
Peak forward voltage	V_{FM}	20	25	30	35	40	V
Peak reverse current	I_{RRM}	5					μA
Reverse recovery time	T_{rr}	0.15					uS
Storage Temperature Range	T_{stg}	-40 ~ +150					°C
Virtual junction temperature	$T_{(vj)}$	150					°C

Package outline dimensions



Summary of Packing Options

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