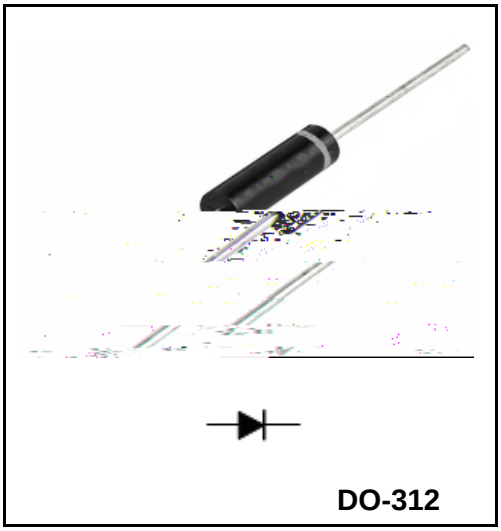
Fast recovery high voltage diodes

Reverse Voltage – 10KV-18KV

Forward Current –20mA



DO-312

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)

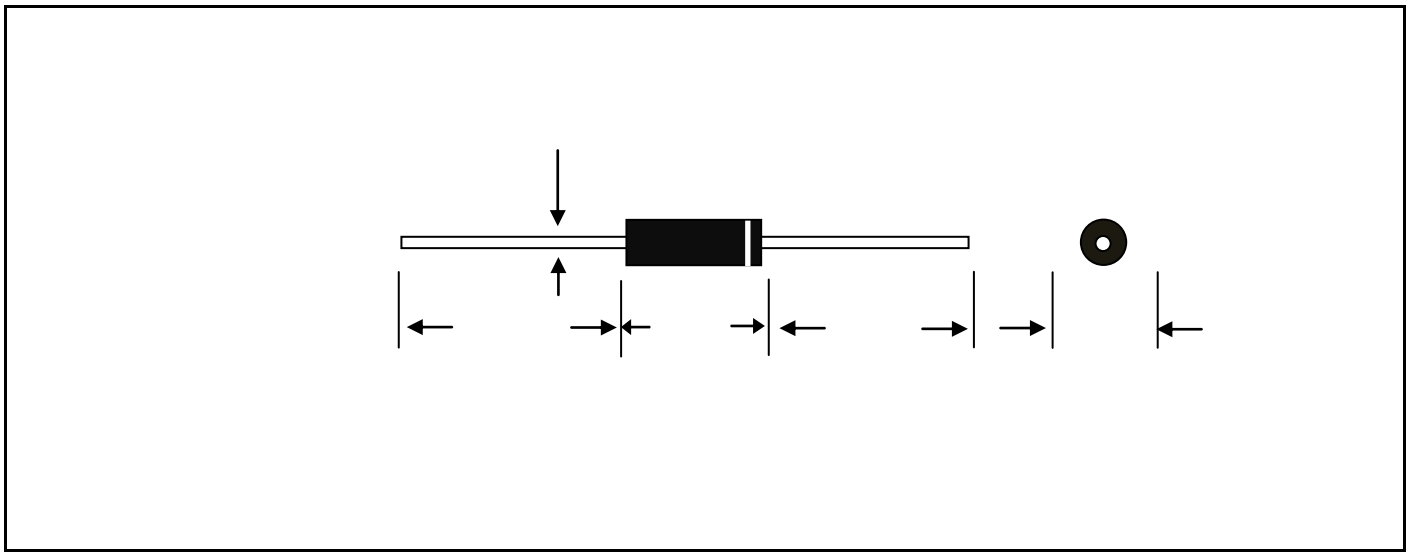
Item		Symbol	DD1000	DD1200	DD1400	DD1600	DD1800	Unit
Repetitive peak reverse voltage		V_{RRM}	10	12	14	16	18	KV
Non-Repetitive peak reverse voltage		V_{RSM}	10	12	14	16	18	KV
Average forward current		$IF_{(AV)}$	20					mA
Surge(Non-repetitive)forward current		I_{FSM}	3					A
Peak forward voltage	I_{FM}=10mA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

Ordering information

Package	Packing Description	Packing Quantity
DO-312	ammo pack	5000PCS/Inner Box 50000PCS/Carton

Package Dimensions(Millimeter(mm)

DO-312



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