

Fast recovery high voltage diodes

Reverse Voltage – 10KV-18KV

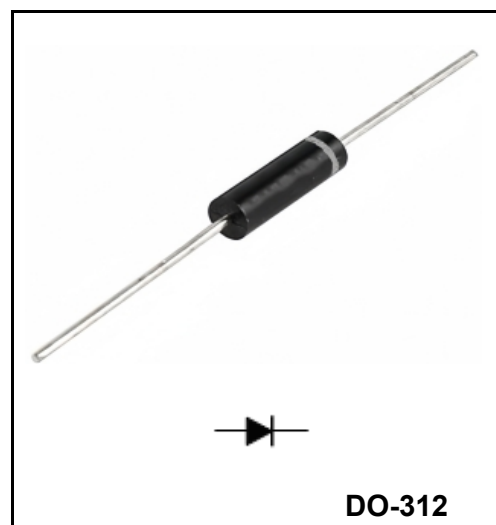
Forward Current –20mA

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	$I_{FM}=10mA$	V_{FM}	20	25	30	35	40	V
Peak reverse current $V_{RM}=V_{RRM}$		I_{RRM}	5					μA
Reverse recovery time	$I_F=10mA, I_{RM}=10mA$	T_{rr}	0.15					μS
Storage Temperature Range		T_{stg}	-40 ~ +150					°C
Virtual junction temperature		$T_{(vj)}$	150					°C

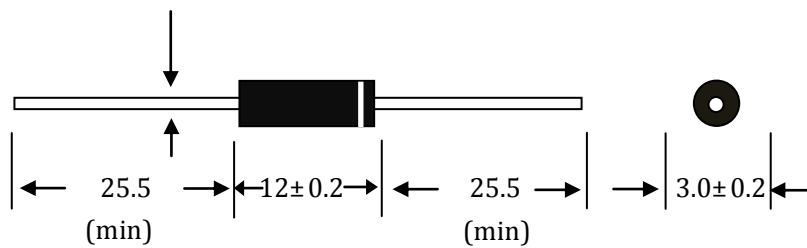
Ordering information

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

Package Dimensions(Millimeter(mm))

DO-312

Lead Diameter 0.6 ± 0.03



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