

Fast recovery high voltage diodes

Reverse Voltage –10KV

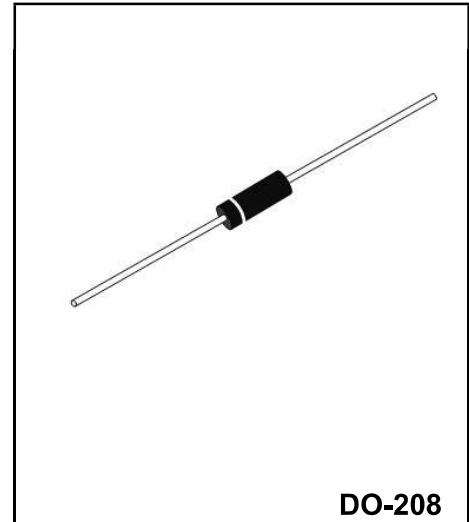
Forward Current –200mA

FEATURES

- ◆Supersmall size
- ◆High reliability
- ◆High speed switching
- ◆Epoxy meets UL94V-0 flammability rating

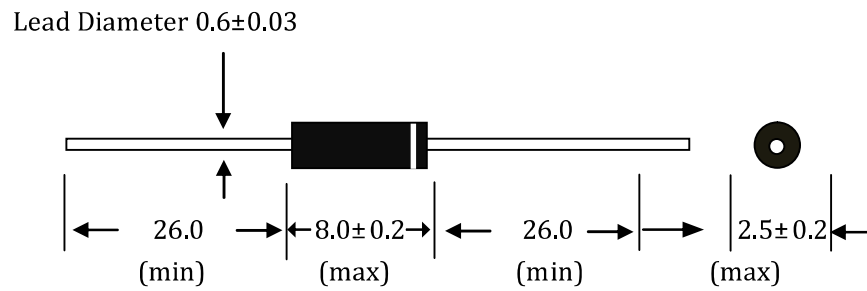
MECHANICAL DATA

- ◆Case: Molded Plastic Body
- ◆Terminals: Pure tin plated leads, solderable per J-STD-002 and JESD22-B102, E3 suffix for consumer grade, meet JESD201 class 1A whisker test.



Parameter		Symbols	2CL2010	Units
Repetitive peak reverse voltage		V_{RRM}	10	KV
Non-Repetitive peak reverse voltage		V_{RMS}	10	KV
Average forward current	60Hz half-sine wave, Resistance load, $T_a=25^{\circ}C$	$I_{F(AV)}$	200	mA
Surge(Non-repetitive)forward current	60Hz half-sine wave, 1 cycle, $T_a=25^{\circ}C$	I_{FSM}	20	A
Peak forward voltage	$I_{FM}=200mA$	V_{FM}	25	V
Peak reverse current $V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$	I_{RRM}	5	μA
	$T_a=100^{\circ}C$		50	
Operating ambient temperature		T_a	-55 ~ +125	$^{\circ}C$
Storage Temperature Range		T_{stg}	-55 ~ +150	$^{\circ}C$

Package Outline DO-208



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
DO-208	BOX	5000	EIA-481-1