

Fast recovery high voltage diodes

Reverse Voltage – 4KV

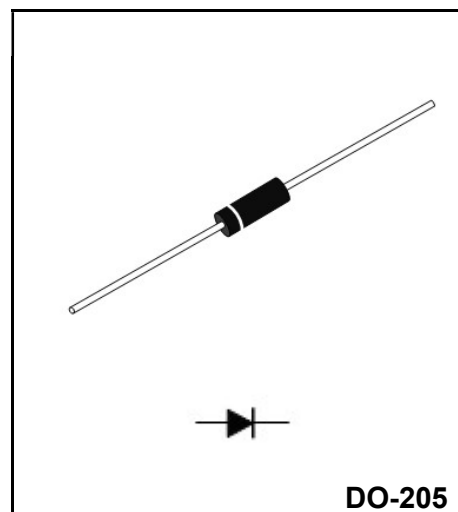
Forward Current –10mA

FEATURES

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

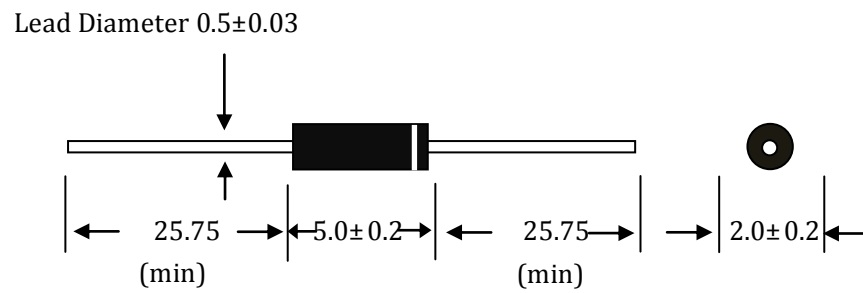
MECHANICAL DATA

- ◆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	2CL69	Units
Repetitive peak reverse voltage		V_{RRM}	4	KV
Non-Repetitive peak reverse voltage		V_{RMS}	5	KV
Average forward current	60Hz half-sine wave, Resistance load, $T_a=25^{\circ}\text{C}$	$I_{F(AV)}$	10	mA
Surge(Non-repetitive)forward current	60Hz half-sine wave, 1cycle, $T_a=25^{\circ}\text{C}$	I_{FSM}	0.5	A
Peak forward voltage	$I_{FM}=10\text{mA}$	V_{FM}	20	V
Peak reverse current $V_{RM}=V_{RRM}$	$T_a=25^{\circ}\text{C}$	I_{RRM}	2 5	μA
	$T_a=100^{\circ}\text{C}$			
Reverse recovery time	$I_F=2\text{mA}, I_{RM}=4\text{mA}$	T_{rr}	0.08	μS
Operating ambient temperature		T_a	-40 ~ +100	$^{\circ}\text{C}$
Storage Temperature Range		T_{stg}	-40 ~ +120	$^{\circ}\text{C}$
Virtual junction temperature		$T_{(vj)}$	120	$^{\circ}\text{C}$

Package outline dimensions



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
DO-205	BOX	5000	EIA-481-1