

Fast recovery high voltage diodes

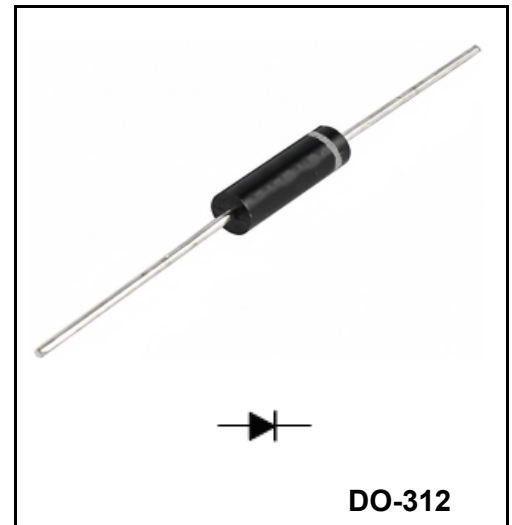
Reverse Voltage – 30kV
Forward Current –30mA

Features

- Supersmall size
- High reliability
- High speed switching

Applications

- Rectification for high voltage power supply of color T.V、CRT display、 V.T.R camera and Others



Mechanical data

- Case: Molded Plastic Body
- Epoxy meets UL 94V-0 flammability rating
- Terminals: Pure tin plated leads, solderable per J-STD-002 and JESD22-B102, E3 suffix for consumer grade, meet JESD201 class 1A whisker test.
- Polarity: Color band denotes cathode end

Maximum rating (Ta=25°C unless otherwise noted)

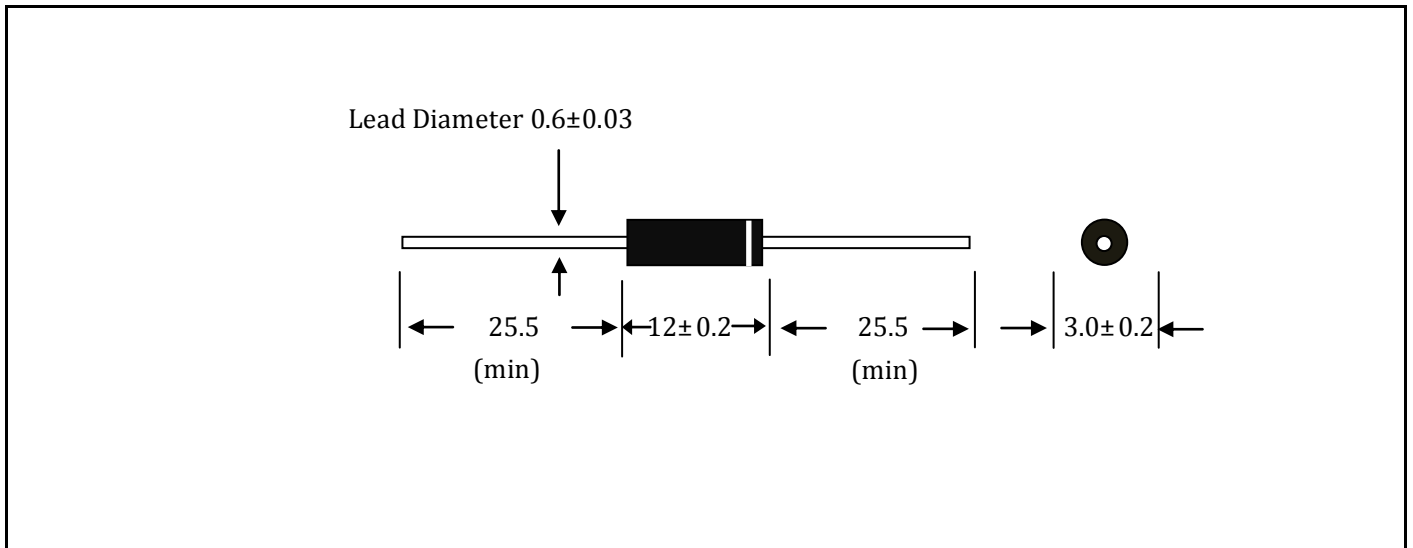
Parameter		Symbol	2CL0330	Unit	
Repetitive peak reverse voltage		V_{RRM}	30	kV	
Average forward current	60Hz half-sine wave, Resistance load, $T_a=25^{\circ}C$	$I_{F(AV)}$	30	mA	
Surge(Non-repetitive) forward current	60Hz half-sine wave, 1cycle, $T_a=25^{\circ}C$	I_{FSM}	2	A	
Peak forward voltage	$I_{FM}=30mA$	V_{FM}	50	V	
Peak reverse current	$V_{RM}=V_{RRM}$	I_{RRM1}	$T_a=25^{\circ}C$	2	μA
			$T_a=100^{\circ}C$	30	
Reverse recovery time	$I_F=2mA, I_{RM}=4mA$	t_r	0.1	μs	
Storage temperature		T_{stg}	-40 ~ +120	$^{\circ}C$	
Virtual junction temperature		$T_{(vj)}$	120	$^{\circ}C$	

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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