

Fast Recovery High Voltage Diodes

Reverse Voltage – 30kV

Forward Current –50mA

Features

- Supersmall size
- High reliability
- High speed switching

Applications

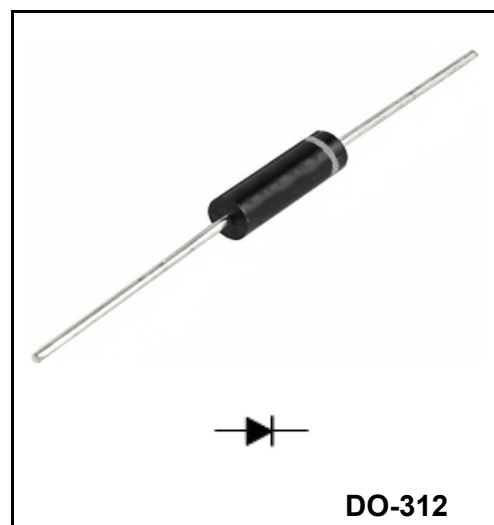
- Rectification for high voltage power supply of color T.V、CRT display、V.T.R camera and Others

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	2CL0530	Unit
Repetitive peak reverse voltage			V _{RRM}	30	kV
Average forward current	60Hz half-sine wave, Resistance load, Ta=25°C		I _{F(AV)}	50	mA
Surge(Non-repetitive) forward current	60Hz half-sine wave, 1cycle, T _a =25°C		I _{FSM}	3	A
Peak forward voltage	I _{FM} =50mA		V _{FM}	50	V
Peak reverse current	V _{RM} =V _{RRM}	T _a =25°C	I _{RRM1}	2	μA
		T _a =100°C		30	
Reverse recovery time	I _F =2mA, I _{RM} =4mA		t _{rr}	0.1	μs
Storage temperature			T _{stg}	-40 ~ +125	°C
Virtual junction temperature			T _(vj)	125	°C



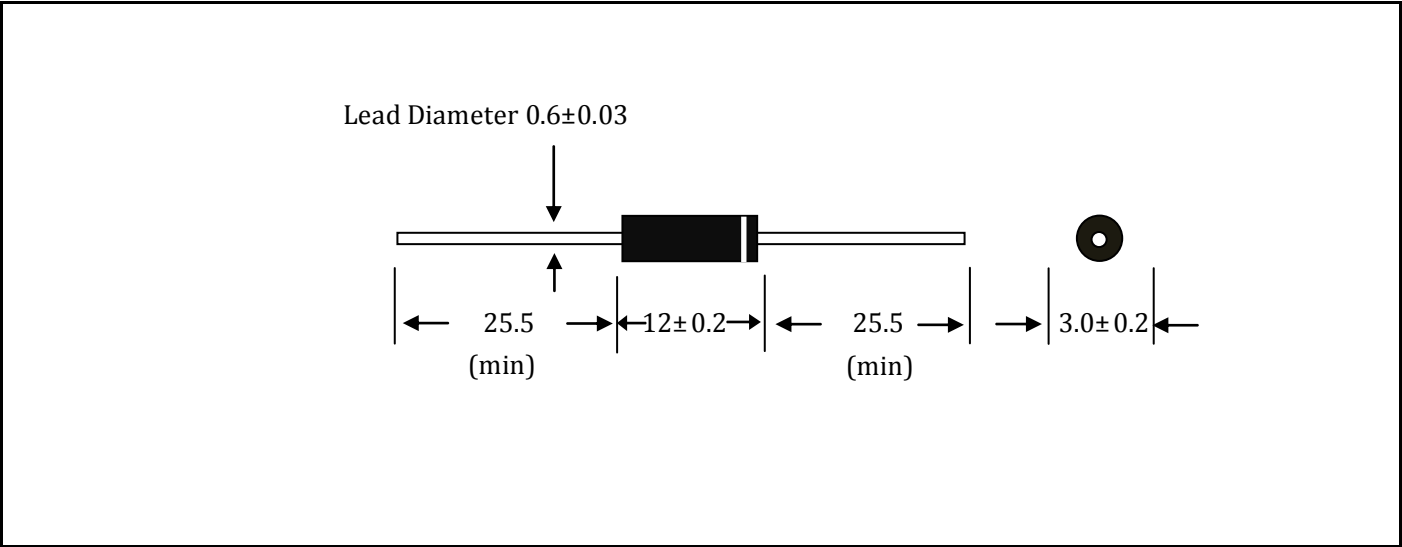
Marking Code	
2CL0530	0530

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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