

High voltage silicon diodes

Reverse Voltage – 16kV

Forward Current –750mA

FEATURES

♦High reliability

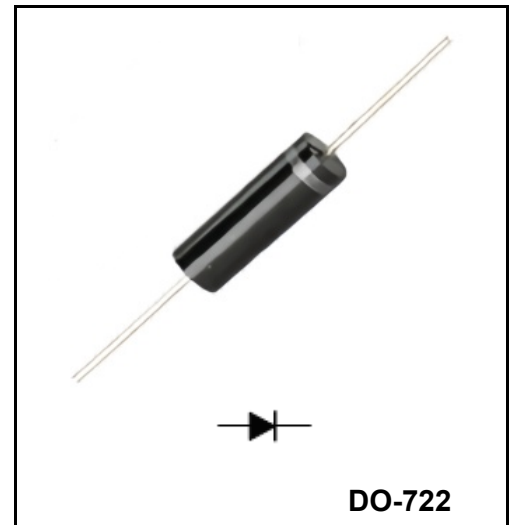
MECHANICAL DATA

♦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 JESD201class 1A whisker test.

♦Polarity: Color band denotes cathode end



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

Parameter		Symbol	2CL7516	Unit
Repetitive peak reverse voltage		V_{RRM}	16	KV
Average forward current	$T_a=25^{\circ}\text{C}$	$I_{F(AV)}$	750	mA
Surge(Non-repetitive)forward current	Rectangular-wave,One-shot, $T_a=25^{\circ}\text{C}$	I_{FSM}	60	A
Peak forward voltage	$I_{FM}=750\text{mA}$	V_{FM}	≤ 10	V
Peak reverse current $V_{RM}=V_{RRM}$		I_{RRM1}	≤ 1	μA
Storage Temperature Range		T_{stg}	$-40 \sim +175$	$^{\circ}\text{C}$
Virtual junction temperature		$T_{(vj)}$	150	$^{\circ}\text{C}$

Notes :Cooling Requirement: Cathode terminal is fastened to radiating fin that size is more than 50mm×50mm×0.6mm
Wind-cooled velocity is more than 0.5m/s.

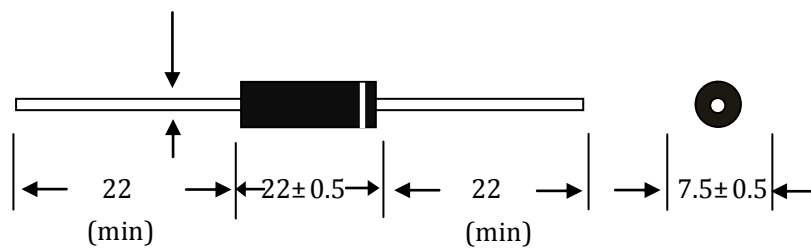
Ordering information

Package	Packing Description	Packing Quantity
DO-722	bulk	500PCS/Inner Bag 4000PCS/Carton

Package Dimensions(Millimeter(mm))

DO-722

Lead Diameter 1.2 ± 0.03



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