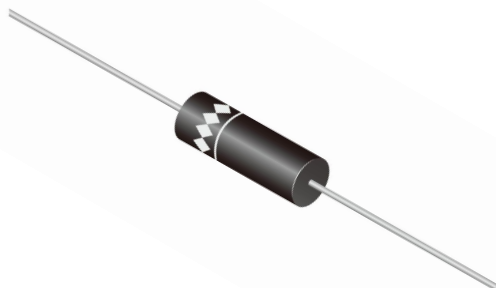


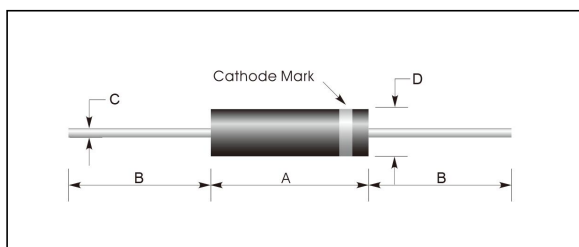
2CL72 High Voltage Diode



FEATURES

- Low leakage, high surge capability
- High voltage, fast recovery rectifier
- $T_j: -40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Polyimide passivation technology
- Epoxy resin molding, compact encapsulation
- ROHS compliant

DEVICE ELECTRICAL CHARACTERISTICS (25°C ambient temperature unless stated otherwise)	CONDITIONS	SYMBOL	2CL72
Repetitive Peak Reverse Voltage		V_{RRM}	10KV
Average Forward Current		I_{AV}	5.0mA
Non-Repetitive Peak Forward Current	$T_a = 25^{\circ}\text{C}$, rated load, half cycle, single phase, 50Hz	I_{FSM}	0.5A
Allowable Junction Temperature	half cycle sinewave peak voltage	T_j	120°C
Allowable Operating Case Temperature		T_c	100°C
Storage Temperature Range		T_{stg}	-40~120°C
Maximum Forward Voltage Drop	$I_F = 10\text{mA}$	V	30.0V
Maximum Reverse Recovery Time	$I_F = 2\text{mA}$ $I_R = 4\text{mA}$	t_{rr}	0.1μS
Maximum Reverse Current	$V_R = V_{RRM}$, 25 °C	I_{R1}	2.0μA
Maximum Reverse Current	$V_R = V_{RRM}$, 100 °C	I_{R2}	5.0μA
Maximum Junction Capacitance		C_j	2pF



SYMBOL	2CL72 (Unit : mm)
A	10.0
D	Φ3.0
B	24
C	Φ0.6