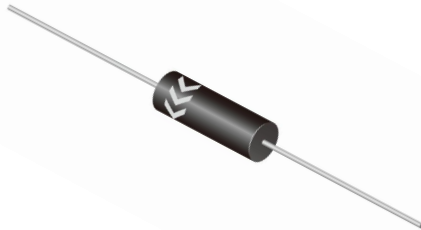


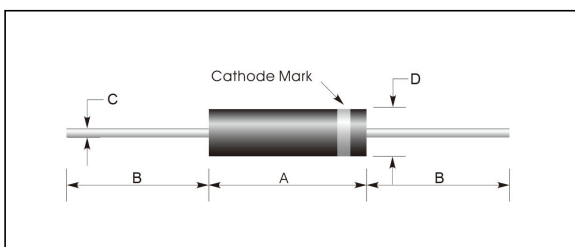
2CL70A High Voltage Diode



FEATURES

- Low leakage, high surge capability
- High voltage, fast recovery rectifier
- Tj: -40°C ~ +150°C
- Polyimide passivation technology
- Epoxy resin molding, compact encapsulation
- ROHS compliant

DEVICE ELECTRICAL CHARACTERISTICS (25°C ambient temperature unless stated otherwise)	CONDITIONS	SYMBOL	2CL70A
Repetitive Peak Reverse Voltage		V_{RRM}	6KV
Average Forward Current		I_{AV}	5.0mA
Non-Repetitive Peak Forward Current	Ta=25°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	$I_F=10mA$	V	24.0V
Maximum Reverse Recovery Time	$I_F=2mA$ $I_R=4mA$	t _{rr}	0.08μS
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	2CL70A (Unit : mm)
A	6.5
D	Φ2.5
B	24
C	Φ0.6