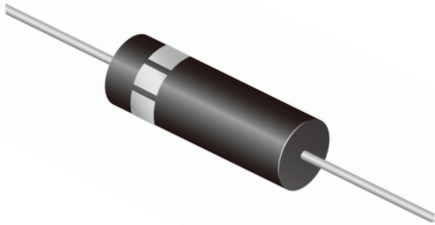


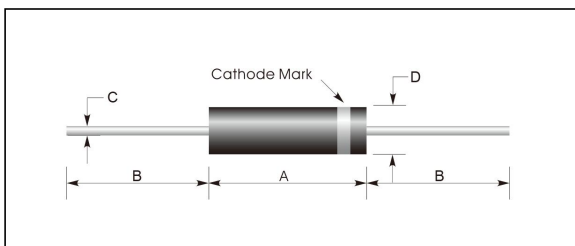
CL08-08T High Voltage Diode



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	CL08-08T
Repetitive Peak Reverse Voltage		V_{RRM}	8KV
Average Forward Current		I_{AV}	500mA
Non-Repetitive Peak Forward Current		I_{FSM}	30A
Allowable Junction Temperature		T_j	130°C
Storage Temperature Range		T_{stg}	-40~130°C
Maximum Forward Voltage Drop	$I_F = 500\text{mA}$, $T_a = 25^{\circ}\text{C}$	V_F	12.0V
Maximum Reverse Recovery Time	$I_F = 50\text{mA}$, $I_R = 100\text{mA}$	t_{rr}	100nS
Maximum Reverse Current	$V_R = V_{RRM}$, $T_a = 25^{\circ}\text{C}$	I_{R1}	5.0μA
Maximum Reverse Current	$V_R = V_{RRM}$, $T_a = 100^{\circ}\text{C}$	I_{R2}	50.0μA



SYMBOL	CL08-08T (Unit : mm)
A	22.0
D	Φ7.5
B	22
C	Φ1.2