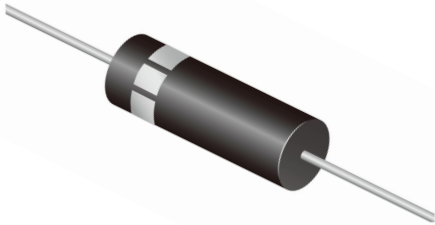


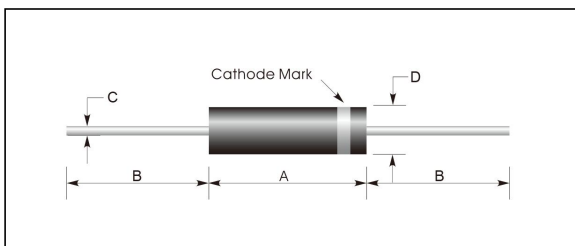
### CL08-08T High Voltage Diode



#### 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	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	$I_F=500mA, T_a=25\text{ }^\circ\text{C}$	$V_F$	12.0V
Maximum Reverse Recovery Time	$I_F=50mA, I_R=100mA$	trr	100nS
Maximum Reverse Current	$V_R=V_{RRM}, T_a=25\text{ }^\circ\text{C}$	$I_{R1}$	5.0μA
Maximum Reverse Current	$V_R=V_{RRM}, T_a=100\text{ }^\circ\text{C}$	$I_{R2}$	50.0μA



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