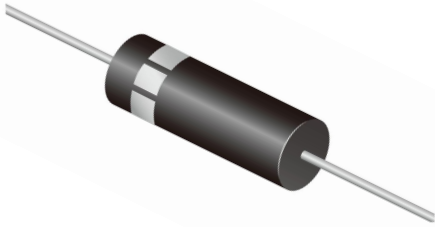


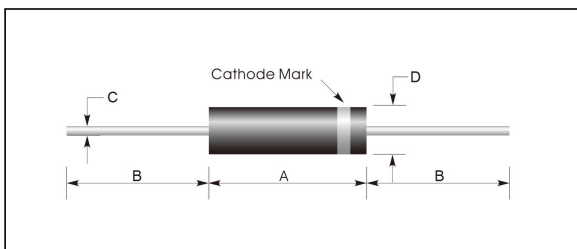
CL08-12T High Voltage Diode



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 | CL08-12T |
|---|----------------------------------|-----------|-----------|
| Repetitive Peak Reverse Voltage | | V_{RRM} | 12KV |
| Average Forward Current | | I_{AV} | 500mA |
| Non-Repetitive Peak Forward Current | | I_{FSM} | 40A |
| Allowable Junction Temperature | | T_j | 125°C |
| Storage Temperature Range | | T_{stg} | -40~125°C |
| Maximum Forward Voltage Drop | $I_F=500mA, T_a=25\text{ °C}$ | V_F | 21.0V |
| Maximum Reverse Recovery Time | $I_F=50mA, I_R=100mA$ | t_{rr} | 100nS |
| Maximum Reverse Current | $V_R=V_{RRM}, T_a=25\text{ °C}$ | I_{R1} | 2.0μA |
| Maximum Reverse Current | $V_R=V_{RRM}, T_a=100\text{ °C}$ | I_{R2} | 50.0μA |



| SYMBOL | CL08-12T (Unit : mm) |
|--------|---------------------------|
| A | 22.0 |
| D | Φ7.5 |
| B | 22 |
| C | Φ1.2 |