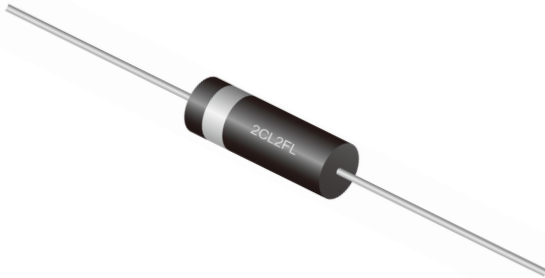


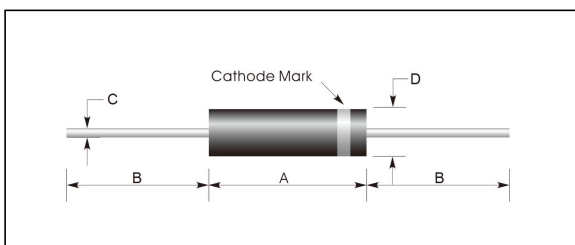
2CL2FL High Voltage Diode



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 | 2CL2FL |
|---|---|-----------|-----------|
| Repetitive Peak Reverse Voltage | | V_{RRM} | 15KV |
| Average Forward Current | | I_{AV} | 100mA |
| Non-Repetitive Peak Forward Current | Ta=25°C , rated load , half cycle , single phase , 50Hz | I_{FSM} | 10A |
| 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_F | 26.0V |
| Maximum Reverse Recovery Time | $I_F=2mA$ $I_R=4mA$ | 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} | 50μA |



| SYMBOL | 2CL2FL (Unit : mm) |
|--------|-------------------------|
| A | 15.0 |
| D | Φ4.3 |
| B | 24 |
| C | Φ1.0 |