

**VOLTAGE RANGE: 16KV**  
**CURRENT: 5.0 mA**

### Features

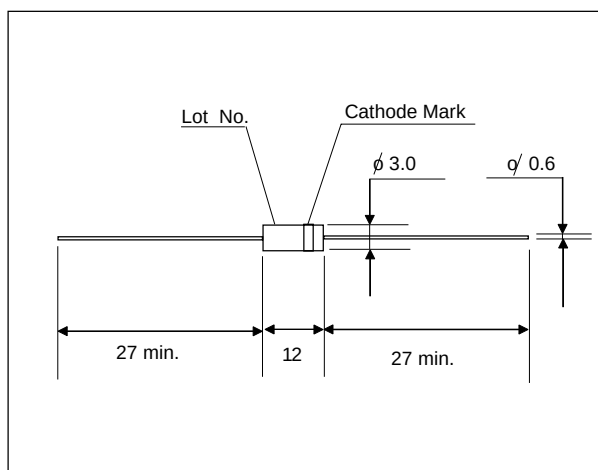
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power



### Outline Drawings : mm



### Maximum Ratings and Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise specified

| Characteristic                                             | Symbols   | 2CL75       | Units |
|------------------------------------------------------------|-----------|-------------|-------|
| Repetitive Peak Reverse Voltage                            | $V_{RRM}$ | 16          | kV    |
| Average Output Current<br>Ta=25°C, Resistive Load          | $I_o$     | 5.0         | mA    |
| Surge Current                                              | $I_{FSM}$ | 0.5         | A     |
| Maximum Forward Voltage Drop<br>at 25°C, $I_F = I_{F(AV)}$ | $V_F$     | 43          | V     |
| Maximum Reverse Current<br>at 25°C<br>at 100°C             | $V_{RRM}$ | 2.0         | uA    |
|                                                            |           | 5.0         | uA    |
| Maximum Reverse Recovery Time<br>at 25°C                   | $T_{rr}$  | 100         | nS    |
| Junction Capacitance<br>at 25°C, $V_R=0V, f=1MHz$          | $C_j$     | 1.0         | pF    |
| Junction Temperature                                       | $T_j$     | 125         | °C    |
| Allowable Operation Case Temperature                       | $T_c$     | 125         | °C    |
| Storage Temperature                                        | $T_{stg}$ | -40 to +125 | °C    |