

**MCC**

Micro Commercial Components

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**2CL73T**

## Features

- FOR COLOR TV RECEIVERS / MONITORS  
TRIPLER CIRCUIT, DOUBLER CIRCUIT, SINGLE CIRCUIT.  
MULTISTAGE SINGULAR FLYBACK TRANSFORMER.
- EXCELLENT HIGH TEMPERATURE OUTPUT CHARACTERISTICS

**High Voltage**

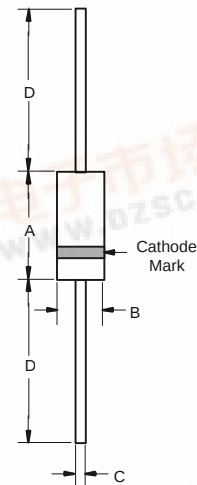
**Fast Recovery Rectifier**  
**12kV Volts**

## Maximum Ratings

- Operating Temperature( $T_J$ ): -40°C to +100°C
- Storage Temperature( $T_{STG}$ ): -40°C to +120°C

| MCC<br>Catalog<br>Number | Device<br>Marking | Maximum<br>Recurrent<br>Peak<br>Reverse<br>Voltage | Maximum<br>RMS<br>Voltage | Maximum<br>DC<br>Blocking<br>Voltage |
|--------------------------|-------------------|----------------------------------------------------|---------------------------|--------------------------------------|
| 2CL73T                   | -----             | 12000V                                             | 8400V                     | 12000V                               |

**2CL73T**



## Electrical Characteristics @ 25°C Unless Otherwise Specified

|                                                         |             |                |                                                                                         |
|---------------------------------------------------------|-------------|----------------|-----------------------------------------------------------------------------------------|
| Average Forward Current                                 | $I_{F(AV)}$ | 5mA            | $T_A = 25^\circ\text{C}$                                                                |
| Peak Forward Surge Current                              | $I_{FSM}$   | 0.5A           | 50Hz, half sine                                                                         |
| Maximum Instantaneous Forward Voltage                   | $V_F$       | 48V            | $I_F = 10\text{mA DC}; T_A = 25^\circ\text{C}$                                          |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | $I_R$       | 2.0uA<br>5.0uA | $V = 12\text{kV}, T_A = 25^\circ\text{C}$<br>$V = 12\text{kV}, T_A = 100^\circ\text{C}$ |
| Maximum Reverse Recovery Time                           | $T_{rr}$    | 80ns           | $I_F = 2\text{mA}, I_{RM} = 4\text{mA}$                                                 |

| DIM | INCHES     |      | MM       |      | NOTE |
|-----|------------|------|----------|------|------|
|     | MIN        | MAX  | MIN      | MAX  |      |
| A   | .390       | .398 | 9.9      | 10.1 |      |
| B   | .0110      | .126 | 2.80     | 3.20 | Φ    |
| C   | .0236(Typ) |      | 0.6(Typ) |      | Φ    |
| D   | 1.036      | ---  | 26.0     | ---  |      |

