

■ Features

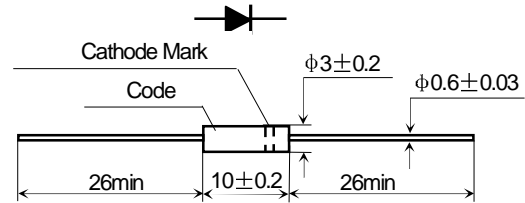
- Supersmall size
- High reliability
- High speed switching

■ Applications

- Rectification for high voltage power supply of color T.V.
- Rectification for high voltage power supply of CRT display.
- Others

■ Outline Dimensions and Mark

Unit: mm



| Type | Code | Cathode Mark |
|----------|------|--------------|
| 2CL72(T) | T-72 | ⋮ |
| 2CL73(T) | T-73 | ⋮ |

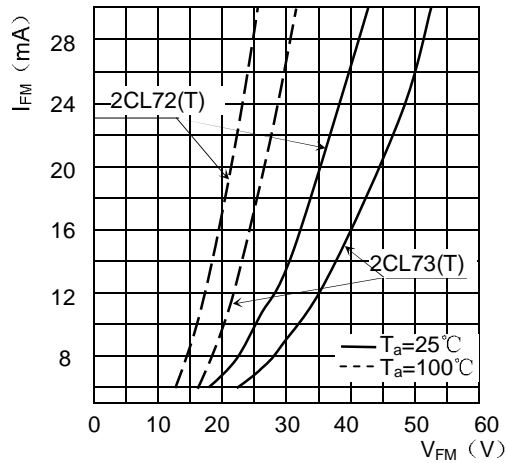
■ Limiting Values (Absolute Maximum Rating)

| Item | Symbol | Unit | 2CL72(T) | 2CL73(T) |
|--------------------------------------|-------------|------------------|---|----------|
| Repetitive Peak Reverse Voltage | V_{RRM} | kV | 10 | 12 |
| Non-Repetitive Peak Reverse Voltage | V_{RSM} | kV | 12 | 15 |
| Average Forward Current | $I_{F(AV)}$ | mA | 5 (50Hz Half-sine wave, Resistance load, $T_a=25^\circ\text{C}$) | |
| Surge(Non-repetitive)Forward Current | I_{FSM} | A | 0.5 (50Hz Half-sine wave, 1 cycle, $T_a=25^\circ\text{C}$) | |
| Operating Ambient Temperature | T_a | $^\circ\text{C}$ | -40 ~ +100 | |
| Storage Temperature | T_{stg} | $^\circ\text{C}$ | -40 ~ +120 | |
| Virtual Junction Temperature | $T_{(vj)}$ | $^\circ\text{C}$ | 120 | |

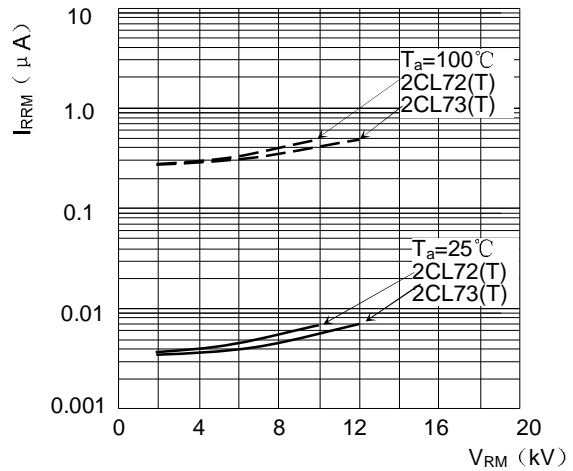
■ Electrical Characteristics ($T_a=25^\circ\text{C}$ Unless otherwise specified)

| Item | Symbol | Unit | Test Condition | Max | |
|-----------------------|------------|---------------|--------------------------------------|-------------------------|----------|
| | | | | 2CL72(T) | 2CL73(T) |
| Peak Forward Voltage | V_{FM} | V | $I_{FM}=10\text{mA}$ | 42 | 48 |
| Peak Reverse Current | I_{RRM1} | μA | $V_{RM}=V_{RRM}$ | $T_a=25^\circ\text{C}$ | 2 |
| | I_{RRM2} | | | $T_a=100^\circ\text{C}$ | 5 |
| Reverse Recovery Time | t_{rr} | μs | $I_F=2\text{mA}$ $I_{RM}=4\text{mA}$ | 0.08 | |

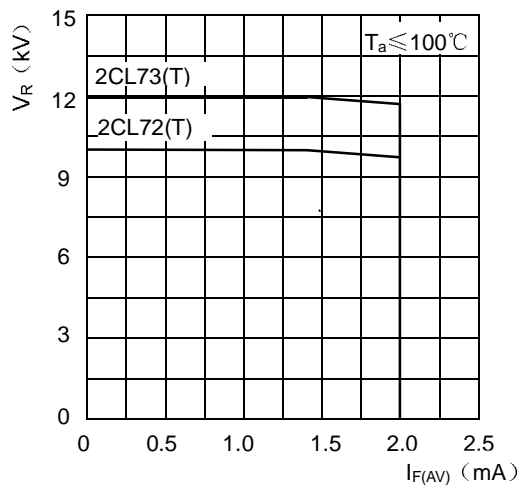
■ **Characteristics(Typical)**



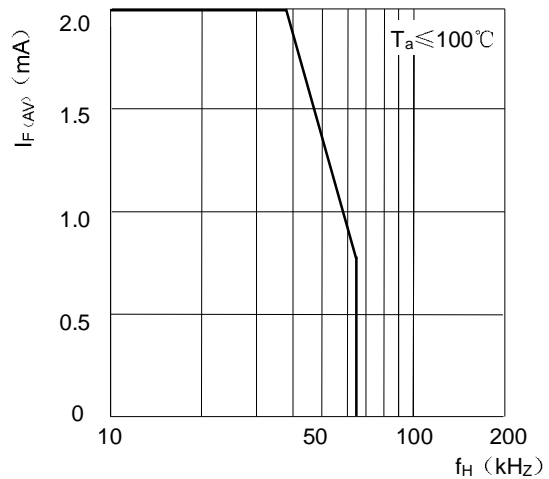
Forward Characteristics



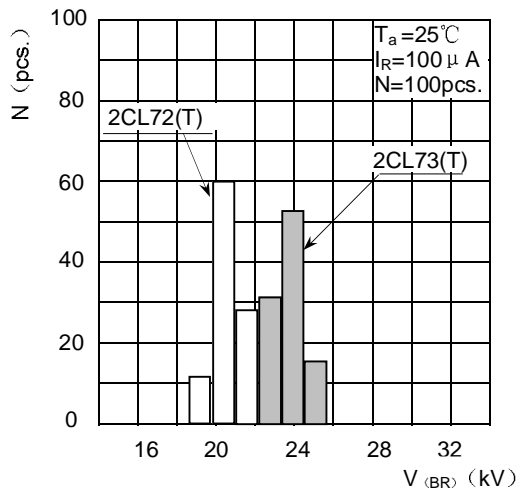
Reverse Characteristics



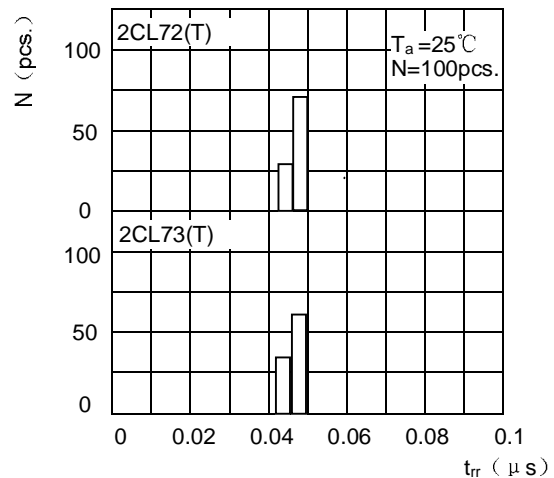
$V_R - I_{F(AV)}$ Curve



$I_{F(AV)} - f_H$ Curve



Breakdown voltage Distribution



Reverse Recovery Time Distribution