

■ **Features**

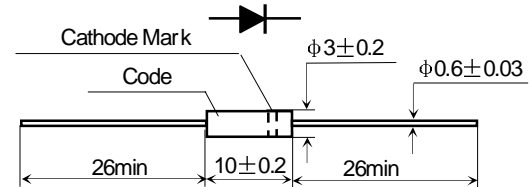
- Supersmall size
- High reliability
- High speed switching




■ **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



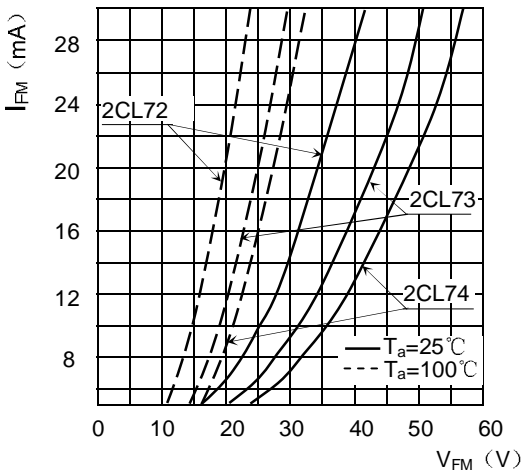
Type	Code	Cathode Mark
2CL72	T-72	
2CL73	T-73	
2CL74	T-74	

■ **Limiting Values (Absolute Maximum Rating)**

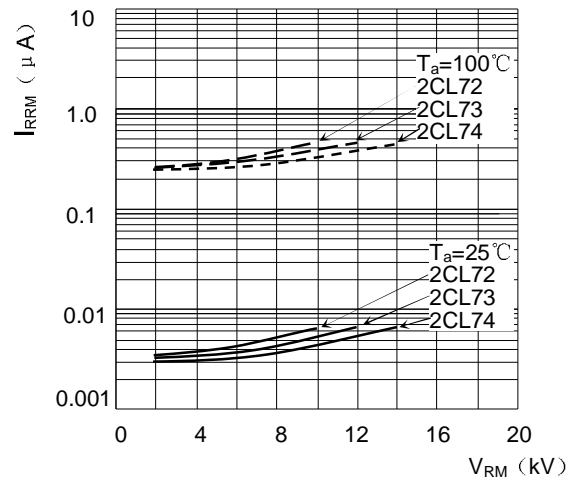
Item	Symbol	Unit	2CL72	2CL73	2CL74
Repetitive Peak Reverse Voltage	V_{RRM}	kV	10	12	14
Non-Repetitive Peak Reverse Voltage	V_{RSM}	kV	12	15	17
Average Forward Current	$I_{F(AV)}$	mA	5 (50Hz Half-sine wave, Resistance load, $T_a=25^\circ\text{C}$)		
Surge(Non-repetitive)Forward Current	I_{FSM}	A	0.5 (50Hz Half-sine wave, 1cycle, $T_a=25^\circ\text{C}$)		
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)**

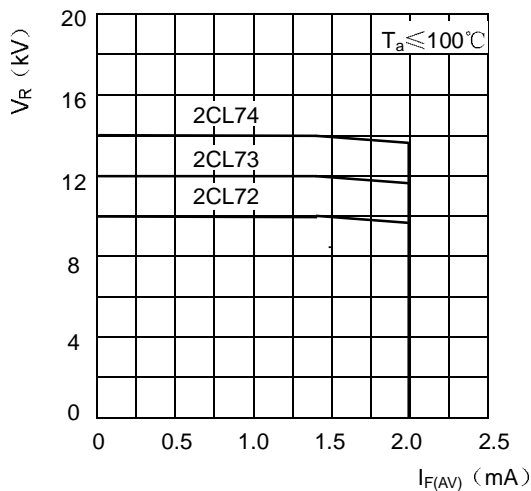
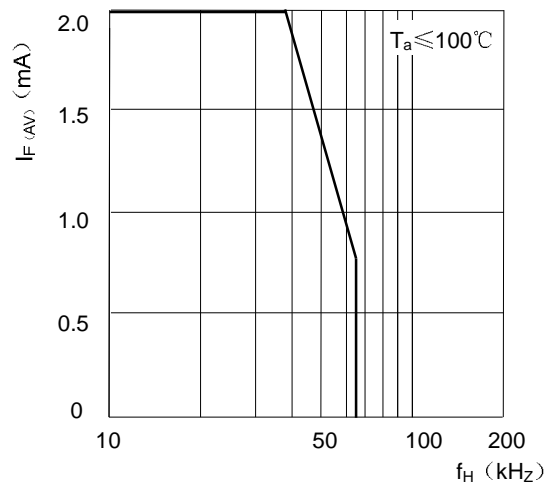
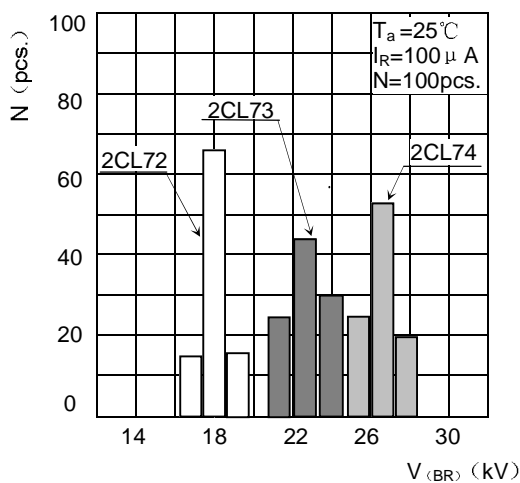
Item	Symbol	Unit	Test Condition	Max		
				2CL72	2CL73	2CL74
Peak Forward Voltage	V_{FM}	V	$I_{FM}=10\text{mA}$	36	45	51
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^\circ\text{C}$		
	I_{RRM2}			$T_a=100^\circ\text{C}$		
Reverse Recovery Time	t_{rr}	μs	$I_F=2\text{mA}$ $I_{RM}=4\text{mA}$	0.08		

Characteristics(Typical)


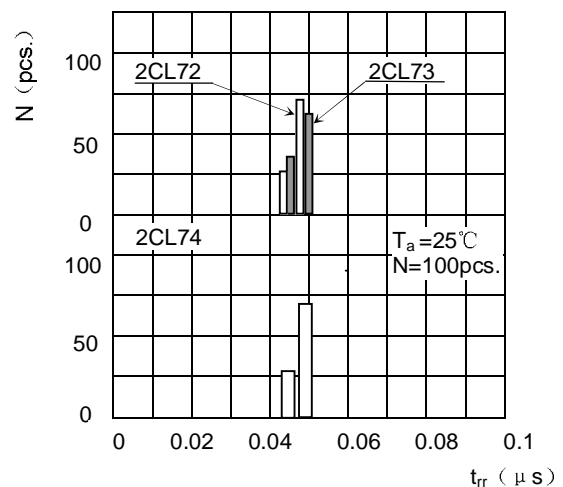
Forward Characteristics



Reverse Characteristics


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

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


Breakdown Voltage Distribution



Reverse Recovery Time Distribution