

■ **Features**

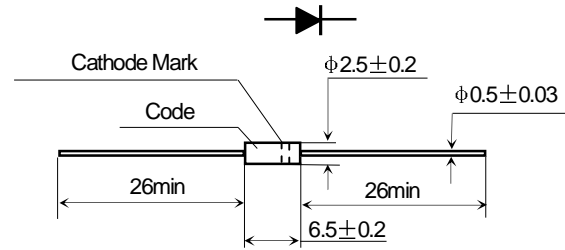
- Supersmall size
- High reliability
- High speed switching

■ **Applications**

- Rectification for high voltage power supply of color T.V.
- Rectification for high voltage power supply of CRTdisplay.
- Rectification for high voltage power supply of V.T.R camera.
- Others

■ **Outline Dimensions and Mark**

Unit: mm



Type	Code	Cathode Mark
2CL703	T703	⋮
2CL704	T704	▶▶

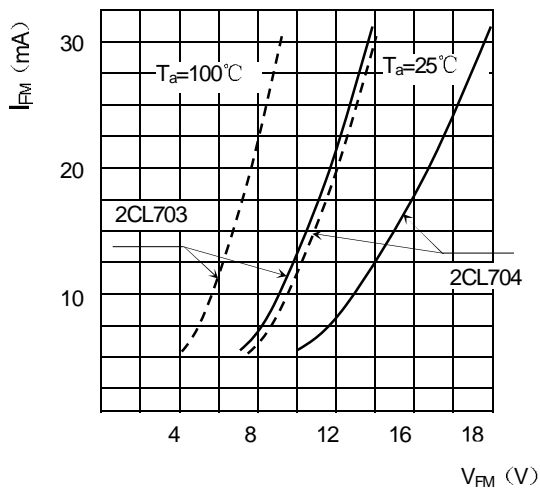
■ **Limiting Values (Absolute Maximum Rating)**

Item	Symbol	Unit	2CL703	2CL704
Repetitive Peak Reverse Voltage	V_{RRM}	kV	3	4
Non-Repetitive Peak Reverse Voltage	V_{RSM}	kV	4	5
Average Forward Current	$I_{F(AV)}$	mA	5 (50Hz Half-sine wave, Resistance load, $T_a=25^{\circ}C$)	
Surge(Non-repetitive)Forward Current	I_{FSM}	A	0.5 (50Hz Half-sine wave, 1cycle, $T_a=25^{\circ}C$)	
Operating Ambient Temperature	T_a	$^{\circ}C$	-40 ~ +100	
Storage Temperature	T_{stg}	$^{\circ}C$	-40 ~ +120	
Virtual Junction Temperature	$T_{(vj)}$	$^{\circ}C$	120	

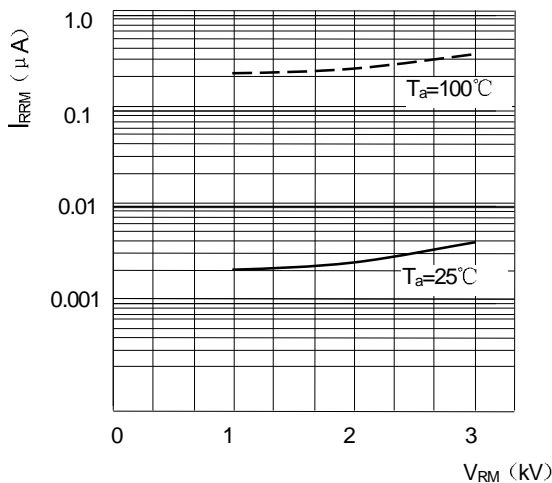
■ **Electrical Characteristics** ($T_a=25^{\circ}C$ Unless otherwise specified)

Item	Symbol	Unit	Test Condition	Max	
				2CL703	2CL704
Peak Forward Voltage	V_{FM}	V	$I_{FM}=10mA$	12	15
Peak Reverse Current	I_{RRM1}	μA	$V_{RM}=V_{RRM}$	$T_a=25^{\circ}C$	
	I_{RRM2}			$T_a=100^{\circ}C$	
Reverse Recovery Time	t_{rr}	μs	$I_F=2mA$ $I_{RM}=4mA$	0.08	

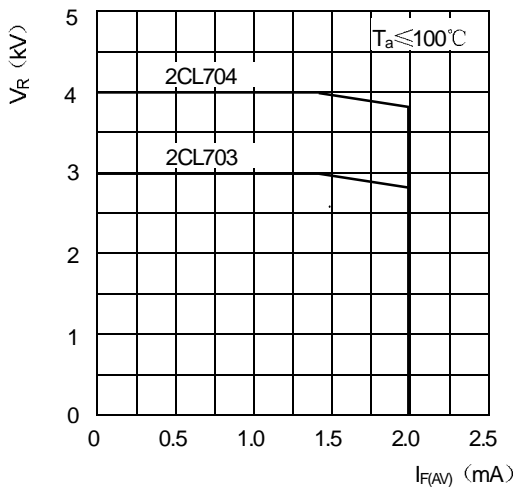
■ Characteristics(Typical)



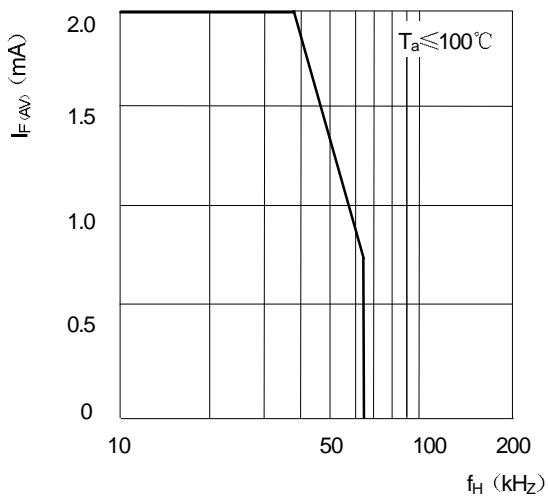
Forward Characteristics



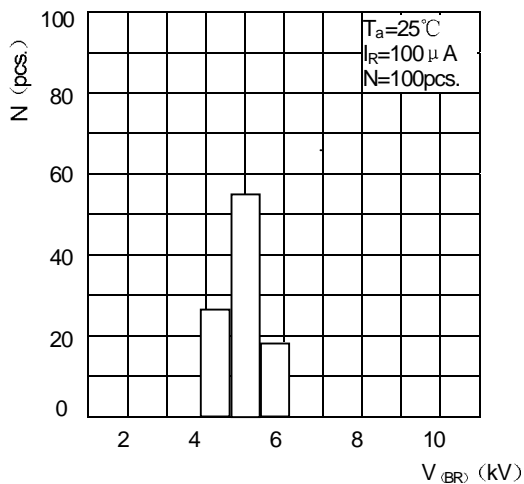
Reverse Characteristics



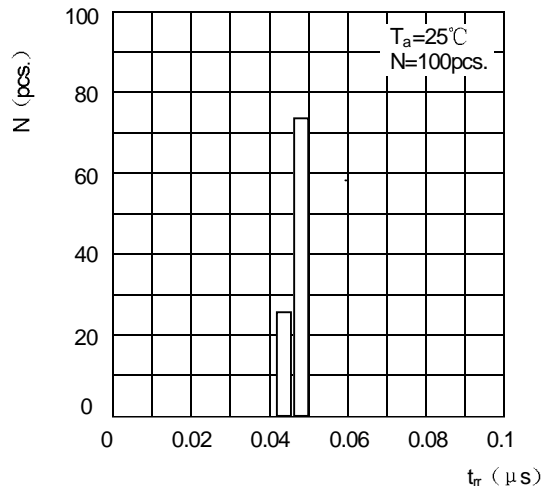
$V_R - I_{F(AV)}$ Curve



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



Breakdown Voltage Distribution



Reverse Recovery Time Distribution