

## Plastic Fast Recover High Voltage Rectifier

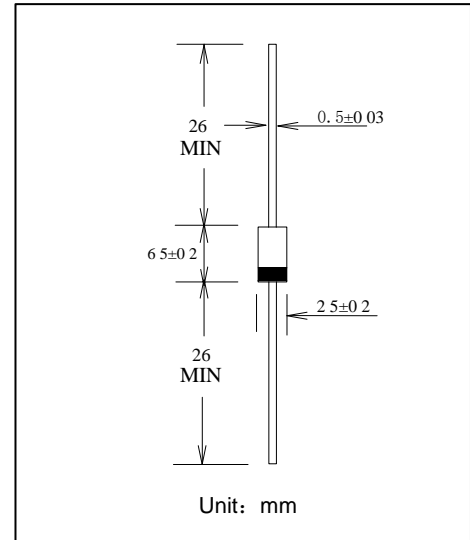
Reverse Voltage 8KV, Forward Current 5mA

### Features

- Supersmall size
- High reliability
- High speed switching
- RoHS corresponding products

### Purpose

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



### Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

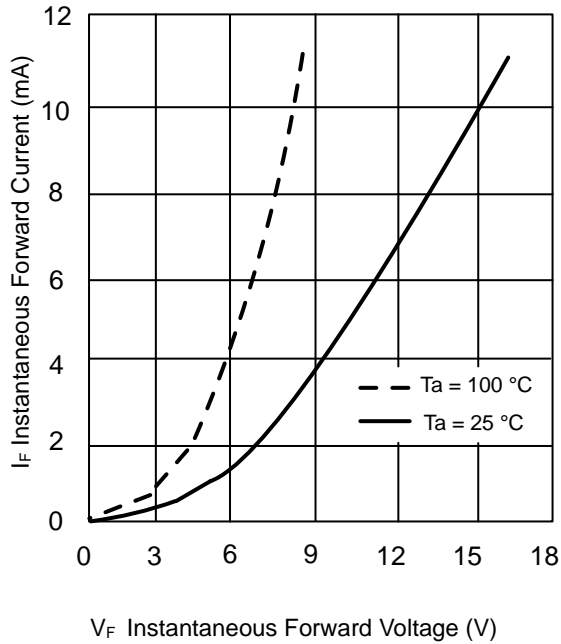
Item	Symbol	2CL71A	Unit
Repetitive Peak Reverse Voltage	$V_{RRM}$	8	KV
Average Forward Current	$I_{F(AV)}$	5 (50HZ half-sine wave, Resistance load $T_a=25^\circ\text{C}$ )	mA
Non-Repetitive Forward Surge Current	$I_{FSM}$	0.5 (50HZ half-sine wave, 1/2 cycle, $T_a = 25^\circ\text{C}$ )	A
Ambient Temperature	$T_{amb}$	-40 --- +100	$^\circ\text{C}$
Virtual Junction Temperature	$T_J$	120	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 --- +120	$^\circ\text{C}$

### Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

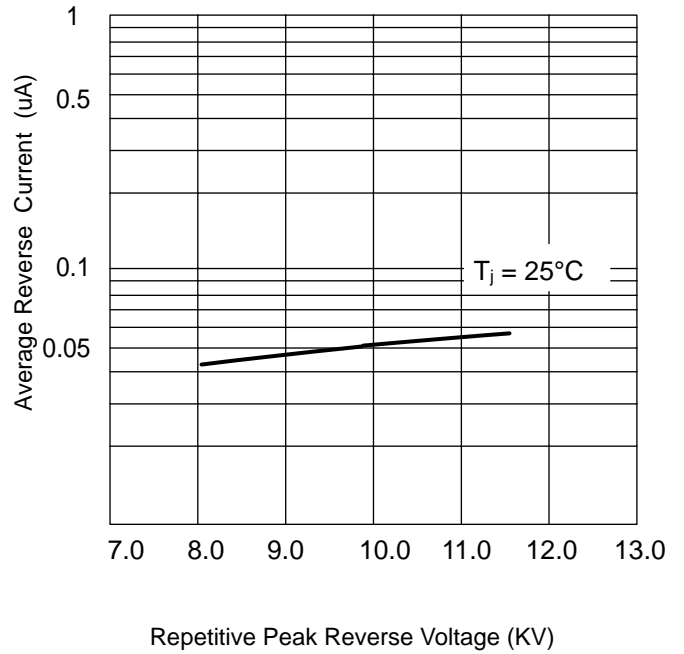
Item	Symbol	2CL71A	Unit
Forward Voltage Drop $I_F=10\text{mA}$	$V_F$	25	V
Normal Temperature Reverse Current $V_R=V_{RRM}$	$I_{RM1}$	2	$\mu\text{A}$
High Temperature Reverse Current $T_A=100^\circ\text{C}$ $V_R=V_{RRM}$	$I_{RM2}$	5	$\mu\text{A}$
Reverse Recovery Time $I_F=2\text{mA}, I_{rp}=4\text{mA}$	$t_{rr}$	100	nS

## Characteristic Curves

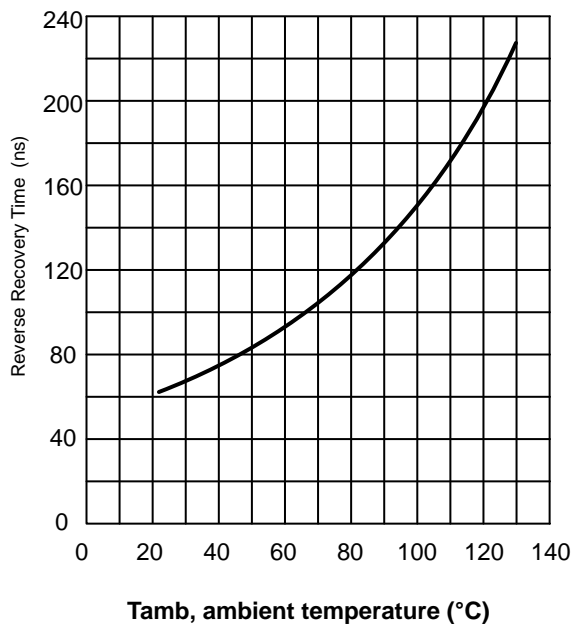
TYPICAL FORWARD CHARACTERISTIC



REVERSE CHARACTERISTIC [VR-IR]



REVERSE RECOVERY TIME CHARACTERISTIC [Ta-Trr]



REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION

