

Plastic Fast Recover High Voltage Rectifier

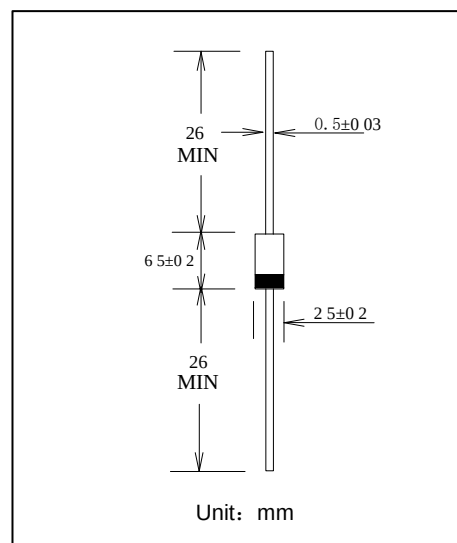
Reverse Voltage 8KV, Forward Current 5mA

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 $T_a=25^{\circ}C$)	mA
Non-Repetitive Forward Surge Current	I_{FSM}	0.5 (50HZ half-sine wave, 1/2 cycle, $T_a = 25^{\circ}C$)	A
Ambient Temperature	T_{amb}	-40 --- +100	$^{\circ}C$
Virtual Junction Temperature	T_J	120	$^{\circ}C$
Storage Temperature	T_{stg}	-40 --- +120	$^{\circ}C$

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

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

Characteristic Curves

