



2CL74A THRU 2CL75A

FAST RECOVERY HIGH VOLTAGE DIODE

Reverse Voltage - 14000 to 20000 Volts Forward Current - 5.0 mAmpere

FEATURES

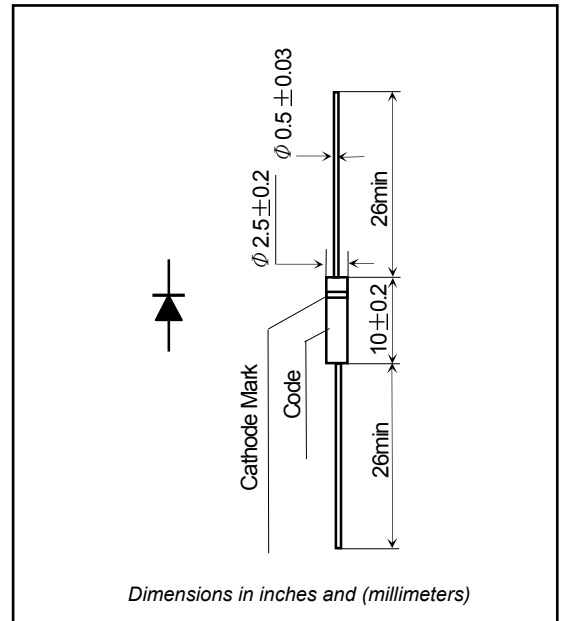
- Supersmall size
- High reliability
- High speed switching

APPLICATIONS

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



Type	Code	Cathode Mark
2CL74A	T74A	⋮
2CL75A	T75A	⋮



Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	2CL74A	2CL75A
Repetitive Peak Reverse Voltage	V_{RRM}	KV	14	16
Non-Repetitive Peak Reverse Voltage	V_{RSM}	KV	17	20
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	$T_{(V)}$	$^\circ\text{C}$	120	

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

Item	Symbol	Unit	Test Condition	Max	
				2CL74A	2CL75A
Peak Forward Voltage	V_{FM}	V	$I_{FM}=10\text{mA}$	51	60
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	



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RATINGS AND CHARACTERISTIC CURVES

