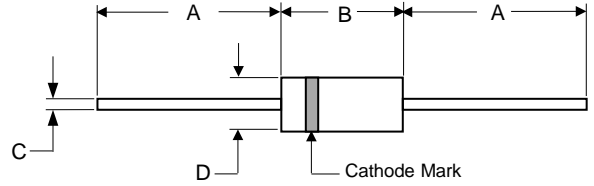


Features

- * Supersmall size
- * High reliability
- * High speed switching
- * Rectification for high voltage power supply of color T.V.
- * Rectification for high voltage power supply of CRT display
- * Application to air cleaner and others



RoHS
COMPLIANT



HV 2.5X10, Φ0.5				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1.024	---	26	---
B	0.386	0.402	9.8	10.2
C	0.019	0.021	0.47	0.53
D	0.091	0.106	2.3	2.7

Maximum Ratings and Thermal Characteristics (T_A=25°C unless otherwise noted)

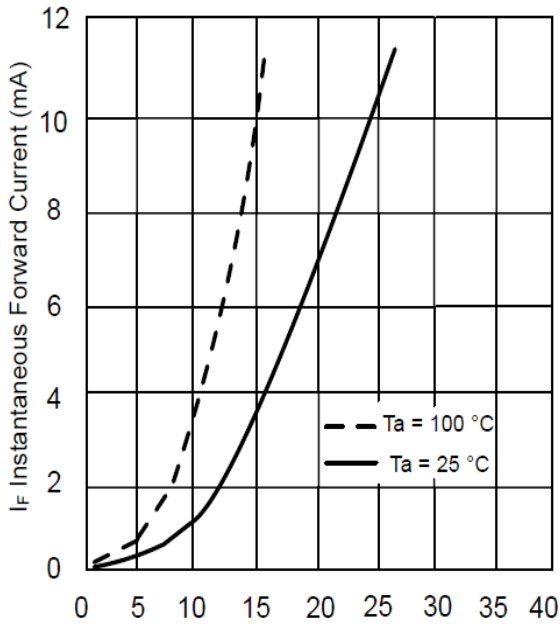
Item	Symbol	2CL73A	Unit
Repetitive Peak Reverse Voltage	VRRM	12	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load Ta=25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, Ta = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°C
Maximum Junction Temperature	T(J)	120	°C
Storage Temperature	Tstg	-40 --- +120	°C

Electrical Characteristics (T_A=25°C unless otherwise noted)

Item	Symbol	2CL73A	Unit
Forward Voltage Drop IF =10mA	VF	37.5	V
Normal Temperature Reverse Current VR=VRRM	IRM1	2	μA
High Temperature Reverse Current TA=100°C VR=VRRM	IRM2	5	μA
Reverse Recovery Time IF =2mA, I _{rp} =4mA 1mA recovery	trr	100	nS

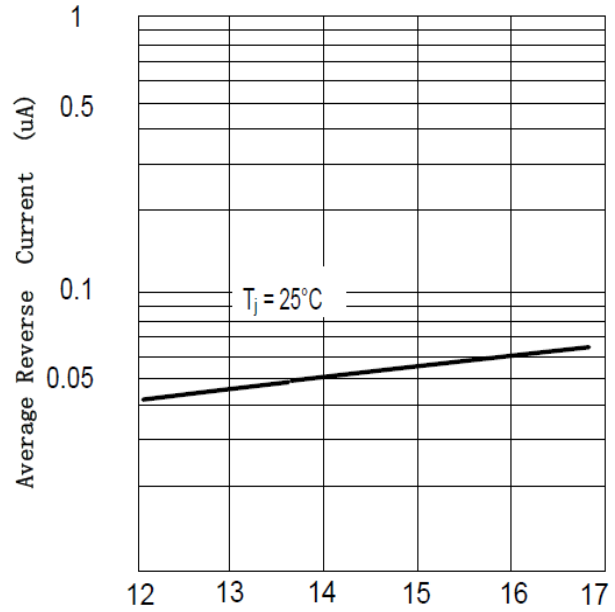
Ratings and Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



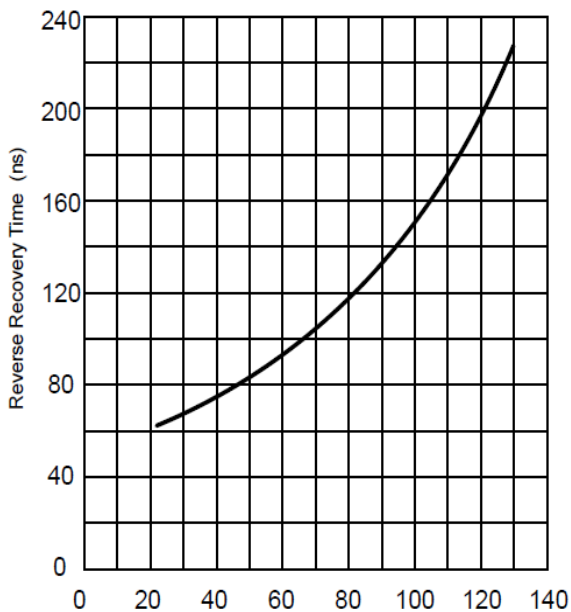
V_F Instantaneous Forward Voltage (V)

REVERSE CHARACTERISTIC [VR-IR]



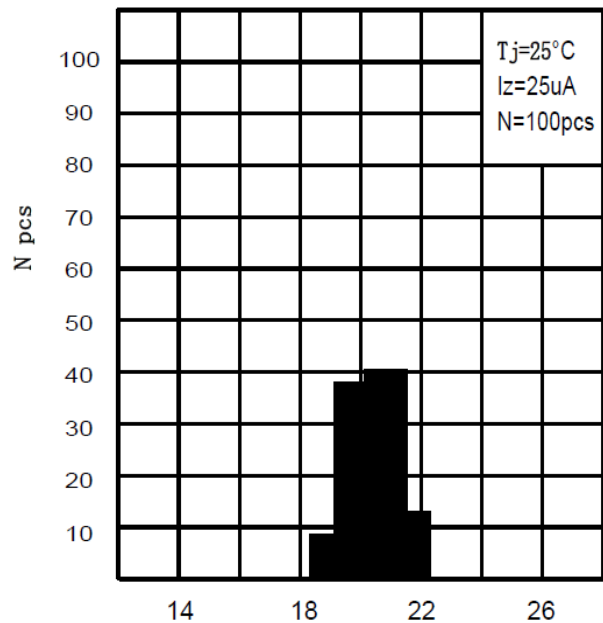
Repetitive Peak Reverse Voltage (KV)

REVERSE RECOVERY TIME CHARACTERISTIC [Ta-Trr]



T_{amb}, ambient temperature (°C)

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION



V_Z, Reverse voltage (KV)



2CL73A
Plastic Fast Recover High Voltage Rectifier

Ordering Information

Part No.	Package	Packing Code	Packing
2CL73A	HV 2.5X10, Φ 0.5	A25	2500pcs/Ammo

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