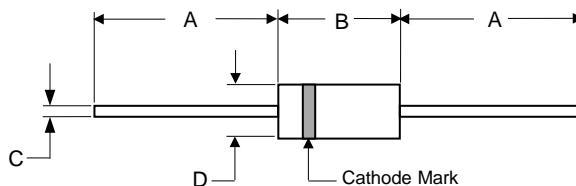


### Features

- \* Supersmall size
- \* High reliability
- \* High speed switching
- \* Rectification for office equipments of high voltage
- \* Rectification for Other high voltage power



**RoHS**  
COMPLIANT



HV 2.5X6.5, Ø0.5				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1.024	---	26	---
B	0.248	0.264	6.3	6.7
C	0.019	0.021	0.47	0.53
D	0.091	0.106	2.3	2.7

### Maximum Ratings and Thermal Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

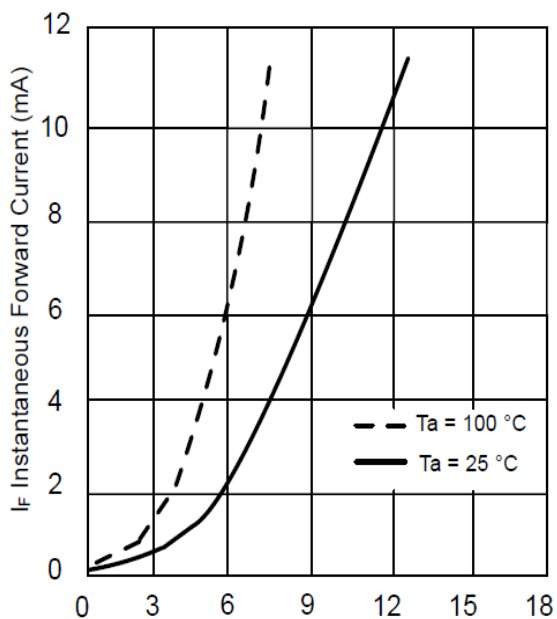
Item	Symbol	2CL70A	Unit
Repetitive Peak Reverse Voltage	VRRM	6	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load Ta=25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, Ta = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°C
Maximum Junction Temperature	T(J)	120	°C
Storage Temperature	Tstg	-40 --- +120	°C

### Electrical Characteristics (T<sub>A</sub>=25°C unless otherwise noted)

Item	Symbol	2CL70A	Unit
Forward Voltage Drop IF =10mA	VF	20	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 <sub>rp</sub> =4mA 1mA recovery	trr	100	nS

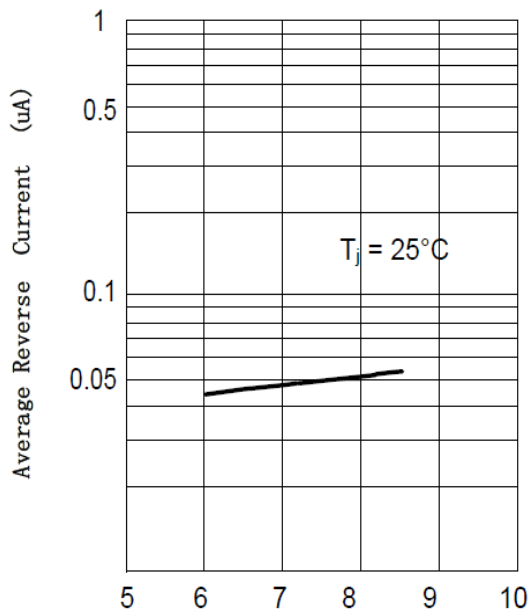
### Ratings and Characteristic Curves

TYPICAL FORWARD CHARACTERISTIC



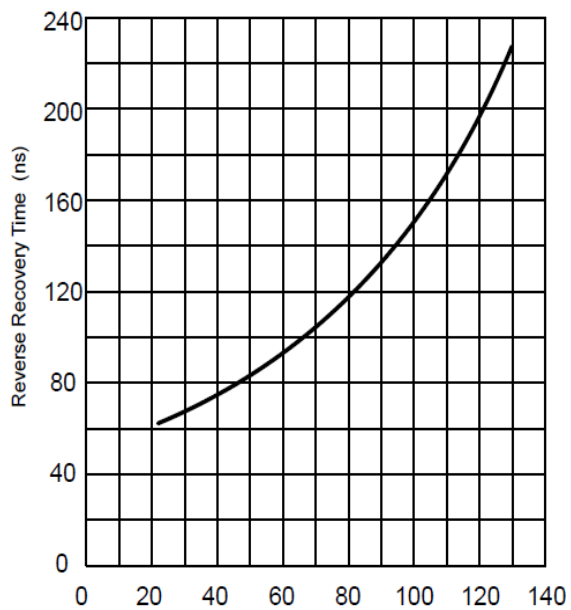
$V_F$  Instantaneous Forward Voltage (V)

REVERSE CHARACTERISTIC [VR-IR]



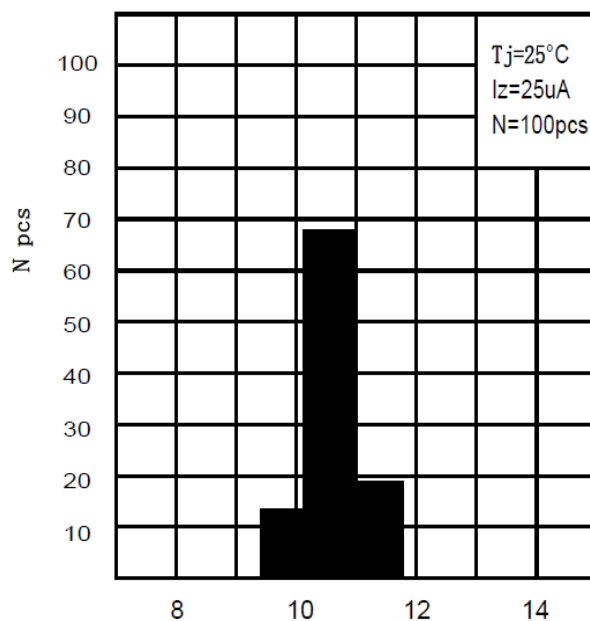
Repetitive Peak Reverse Voltage (KV)

REVERSE RECOVERY TIME CHARACTERISTIC[ $T_a - T_{rr}$ ]



$T_{amb}$ , ambient temperature ( $^\circ\text{C}$ )

REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION



$V_Z$ , Reverse voltage (KV)



## 2CL70A

### *Plastic Fast Recover High Voltage Rectifier*

#### Ordering Information

Part No.	Package	Packing Code	Packing
2CL70A	HV 2.5X6.5, $\Phi$ 0.5	A25	2500pcs/Ammo

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