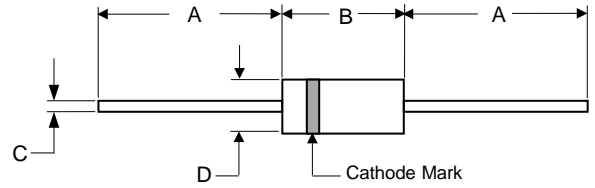


### Features

- \* 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, $\Phi$ 0.5				
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)

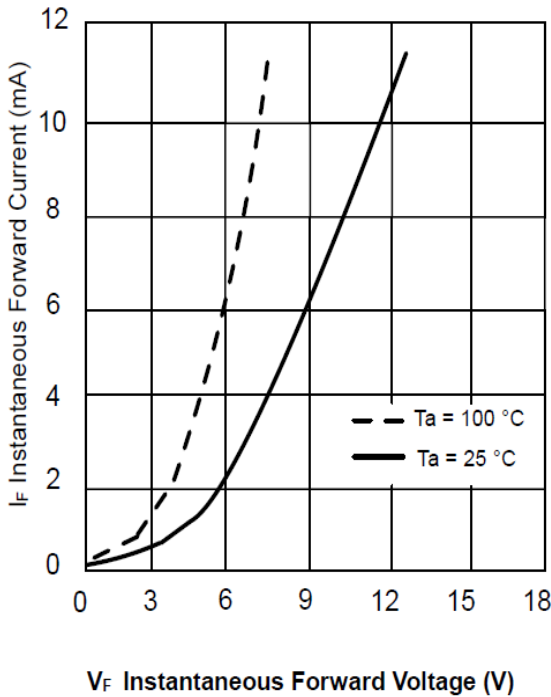
Item	Symbol	2CL70A	Unit
Repetitive Peak Reverse Voltage	VRRM	6	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load Ta=25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, Ta = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°C
Maximum Junction Temperature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

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

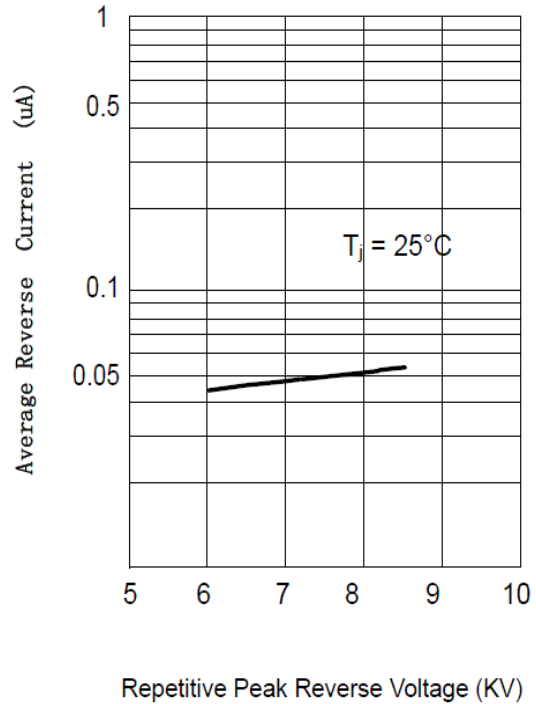
Item	Symbol	2CL70A	Unit
Forward Voltage Drop IF =10mA	VF	20	V
Normal Temperature Reverse Current VR=VRRM	IRM1	2	μA
High Temperature Reverse Current TA=100°C VR=VRRM	IRM2	5	μA
Reverse Recovery Time IF =2mA, I <sub>rp</sub> =4mA 1mA recovery	trr	100	nS

### Ratings and Characteristic Curves

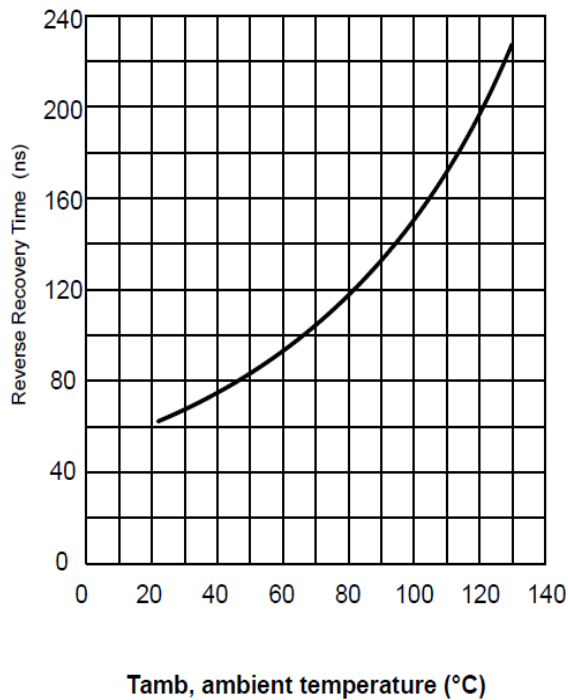
TYPICAL FORWARD CHARACTERISTIC



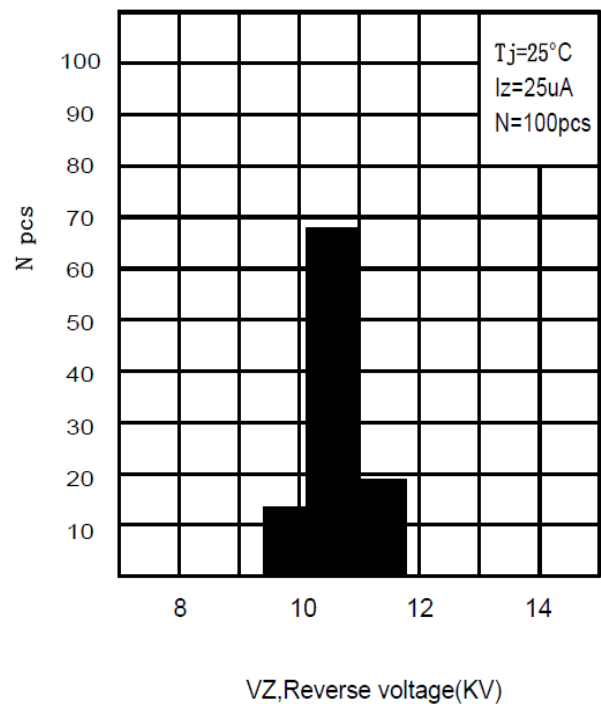
REVERSE CHARACTERISTIC [VR-IR]



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



REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION





**2CL70A**  
**Plastic Fast Recover High Voltage Rectifier**

**Ordering Information**

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

**Disclaimer**

Specifications of the products displayed herein are subject to change without notice. JGD or anyone on its behalf, assumes no responsibility or liability for any errors in accuracies.

Information contained herein is intended to provide a product description only. No license, express or implied, to any intellectual property rights is granted by this document. Except as provided in JGD's terms and conditions of sale for such products, JGD assumes no liability whatsoever, and disclaims any express or implied warranty, relating to sale and/or use of JGD products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright, or other intellectual property right.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify JGD for any damages resulting from such improper use or sale.