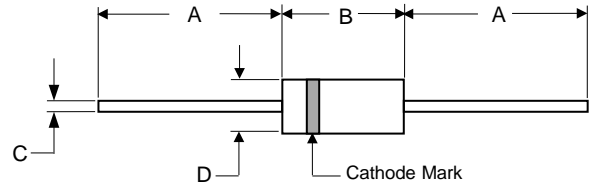


### Features

- \* For high resolution displays or TV receivers and Working automation equipment
- \* Diffused-junction
- \* Excellent high temperature output characteristics (Small leakage current at high temperature and excellent reverse characteristics)



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)

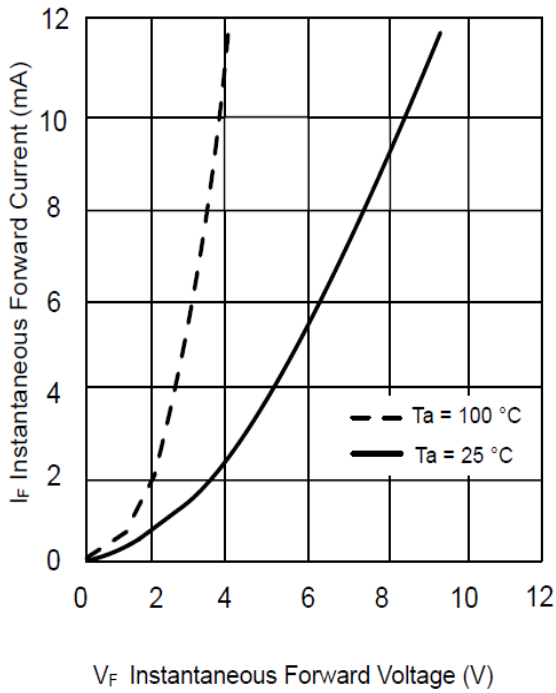
Item	Symbol	2CL704	Unit
Repetitive Peak Reverse Voltage	VRRM	4	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load T <sub>a</sub> =25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, T <sub>a</sub> = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°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)

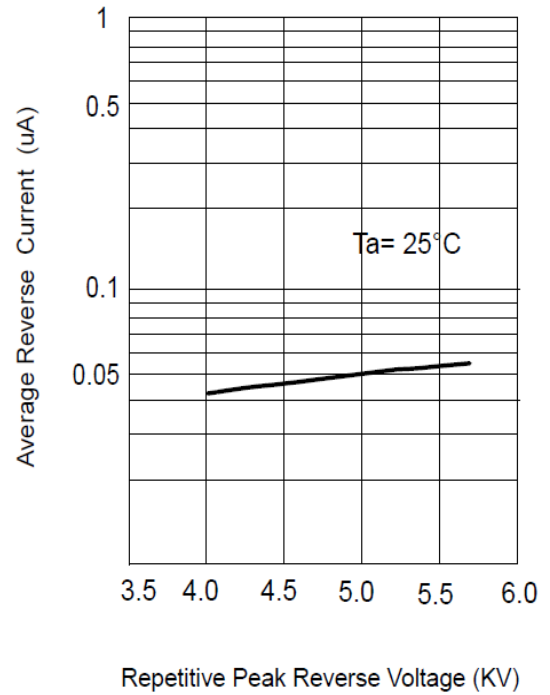
Item	Symbol	2CL704	Unit
Forward Voltage Drop IF =10mA	VF	15	V
Normal Temperature Reverse Current VR=VRRM	IRM1	2	μA
High Temperature Reverse Current TA=100°C VR=VRRM	IRM2	5	μA
Reverse Recovery Time IF =2mA, I <sub>rp</sub> =4mA 1mA recovery	trr	100	nS

### Ratings and Characteristic Curves

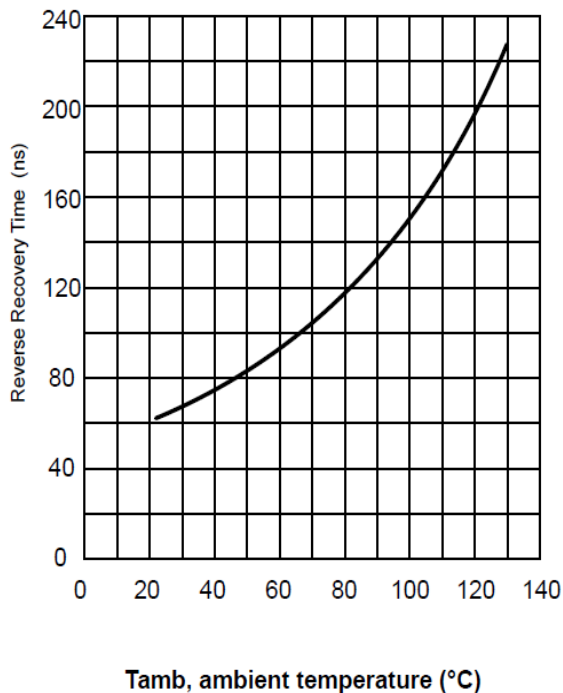
TYPICAL FORWARD CHARACTERISTIC



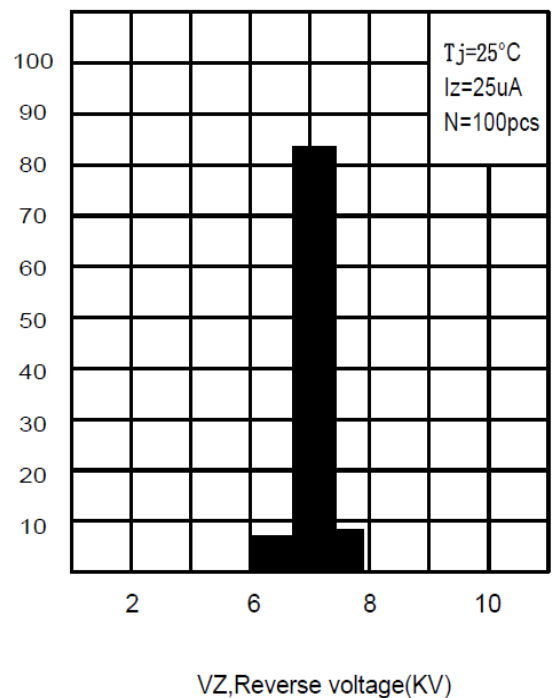
REVERSE CHARACTERISTIC [VR-IR]



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



REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION





**2CL704**  
**Plastic Fast Recover High Voltage Rectifier**

**Ordering Information**

<b>Part No.</b>	<b>Package</b>	<b>Packing Code</b>	<b>Packing</b>
2CL704	HV 2.5X6.5, $\Phi$ 0.5	A25	2500pcs/Ammo

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