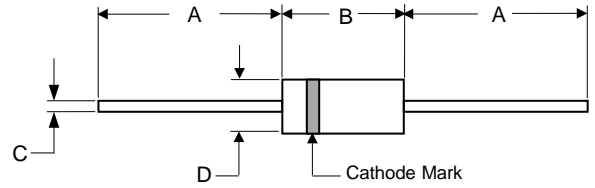


Features

- * For high voltage rectification for office equipment
- * Diffused-junction
- * Excellent high temperature output characteristics
(Small leakage current at high temperature and excellent reverse characteristics)



RoHS
COMPLIANT



HV 2.5X6.5, Φ 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_A=25°C unless otherwise noted)

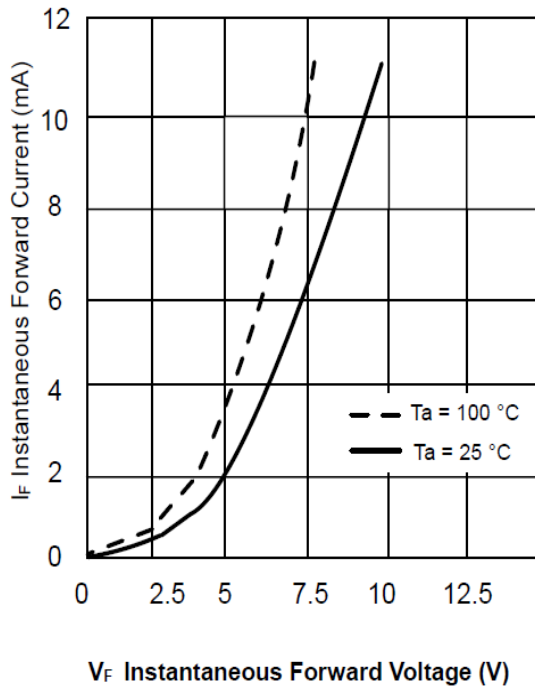
Item	Symbol	2CL703	Unit
Repetitive Peak Reverse Voltage	VRRM	3	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load T _A =25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, T _A = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°C
Maximum Junction Temperature	T(J)	120	°C
Storage Temperature	Tstg	-40 --- +120	°C

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

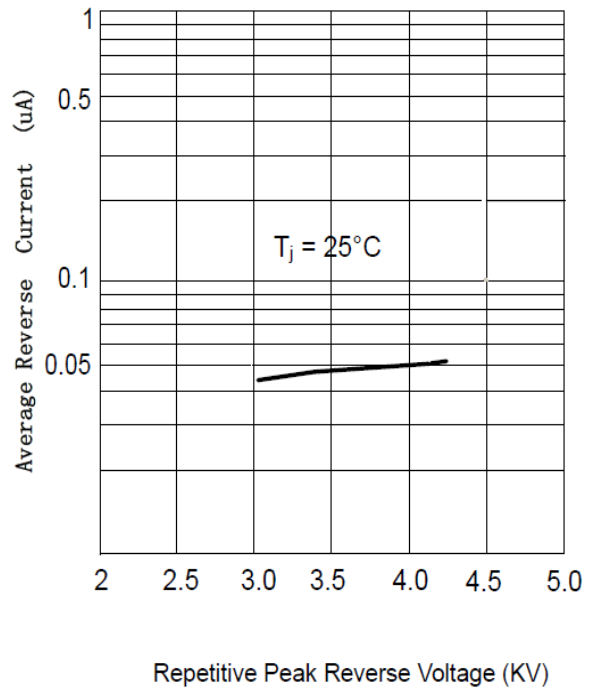
Item	Symbol	2CL703	Unit
Forward Voltage Drop IF =10mA	VF	13	V
Normal Temperature Reverse Current VR=VRRM	IRM1	2	μA
High Temperature Reverse Current T _A =100°C VR=VRRM	IRM2	5	μA
Reverse Recovery Time IF =2mA, I _{rp} =4mA 1mA recovery	trr	100	nS

Ratings and Characteristic Curves

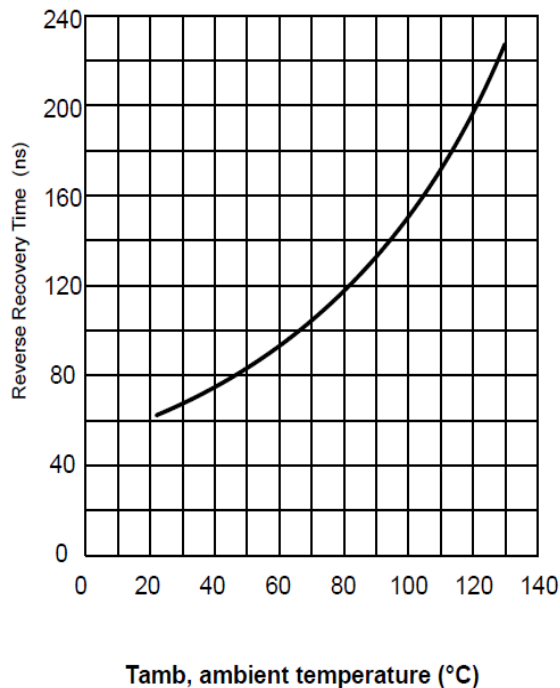
TYPICAL FORWARD CHARACTERISTIC



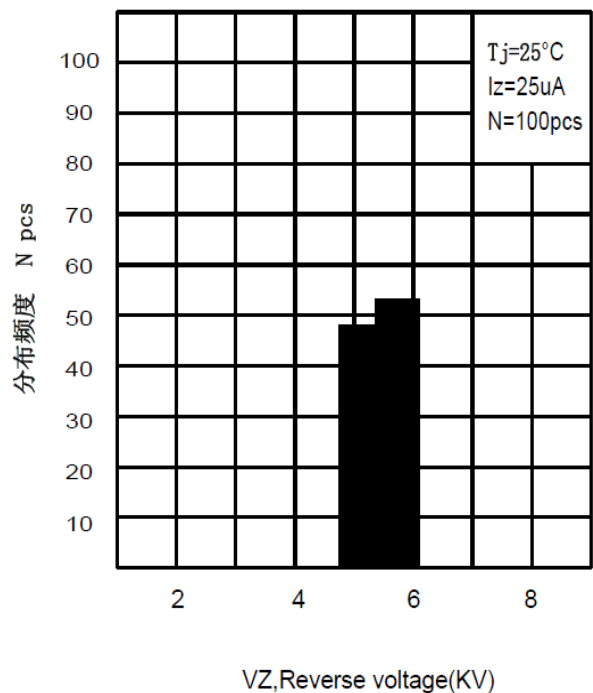
REVERSE CHARACTERISTIC [VR-IR]



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



REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION





2CL703

Plastic Fast Recover High Voltage Rectifier

Ordering Information

Part No.	Package	Packing Code	Packing
2CL703	HV 2.5X6.5, Φ 0.5	A25	2500pcs/Ammo

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