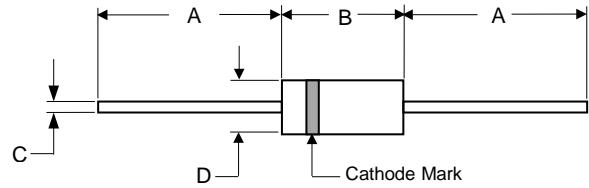


Fast Recover High Voltage Rectifier

Features

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



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_A=25°C unless otherwise noted)

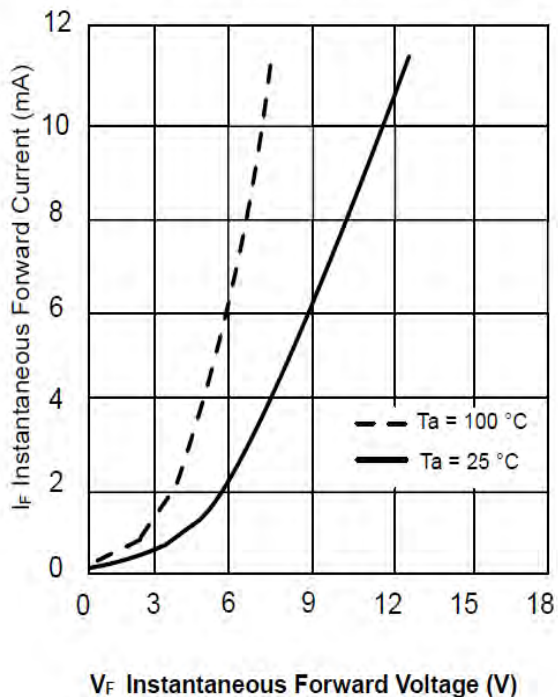
PARAMETER	Symbol	2CL70A	Unit
Repetitive Peak Reverse Voltage	VRRM	6	KV
Average Forward Current	IF(AV)	5 (50HZ half-sine wave, Resistance load Ta=25°C)	mA
Non-Repetitive Forward Surge Current	IFSM	0.5 (50HZ half-sine wave, 1/2 cycle, Ta = 25 °C)	A
Ambient Temperature	Tamb	-40 --- +100	°C
Maximum Junction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

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

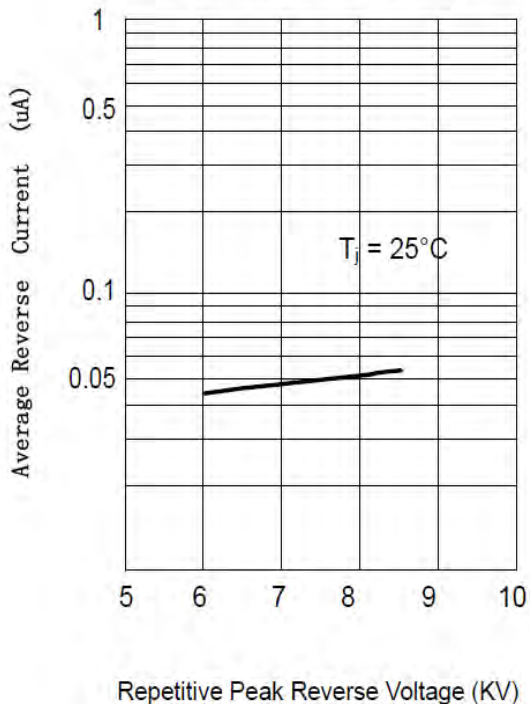
PARAMETER	Symbol	2CL70A	Unit
Forward Voltage Drop IF =10mA	VF	20	V
Normal Temperature Reverse Current VR=VRRM	IRM1	2	µA
High Temperature Reverse Current TA=100°C VR=VRRM	IRM2	5	µA
Reverse Recovery Time IF =2mA, I _{rp} =4mA 1mA recovery	trr	100	nS

Ratings and Characteristic Curves

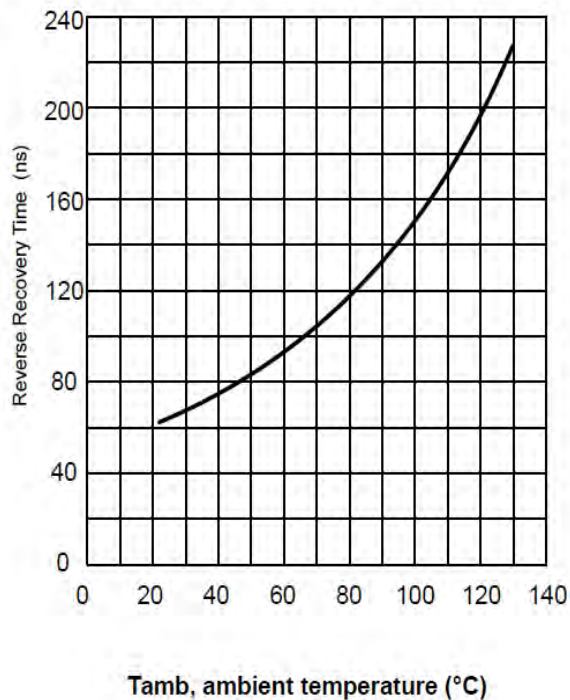
TYPICAL FORWARD CHARACTERISTIC



REVERSE CHARACTERISTIC [VR-IR]



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



REVERSE VOLTAGE CHARACTERISTIC DISTRIBUTION

