

Fast Recovery High Voltage Diodes

Features

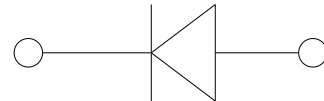
- Super small size
- High reliability
- High speed switching

Typical Applications

Rectification for high voltage power supply of color T.V、
 CRT display、 V.T.R camera and others

Mechanical Data

- **Package:** DO-210
 Epoxy meets UL 94 V-0 flammability rating
- **Terminals:** Pure tin plated leads, solderable per
 J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes the cathode end



■ Maximum Ratings (T_a=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	Conditions	2CL72A	2CL73A
Device marking code				T72A	T73A
Repetitive Peak Reverse Voltage	V _{RRM}	KV		10	12
Non-Repetitive Peak Reverse Voltage	V _{RSM}	KV		12	15
Average Forward Current	I _{F(AV)}	mA	60Hz half-sine wave, Resistance load, T _a =25°C	5	
Non-Repetitive Forward Surge Current	I _{FSM}	A	60Hz half-sine wave, 1 cycle, T _a = 25°C	0.5	
Peak Forward Voltage	V _{FM}	V	I _{FM} =10mA	36	45
Peak Reverse Current	I _{RRM}	μA	V _{RM} = V _{RRM} , T _a =25°C	2	
			V _{RM} = V _{RRM} , T _a =100°C	5	
Reverse Recovery time	t _{rr}	μs	I _F =2mA, I _{RM} =4mA, I _{RR} =1mA	0.08	
Operating Ambient Temperature	T _a	°C		-40 ~ +100	
Storage Temperature	T _{stg}	°C		-40 ~ +120	
Virtual Junction Temperature	T _(vj)	°C		120	

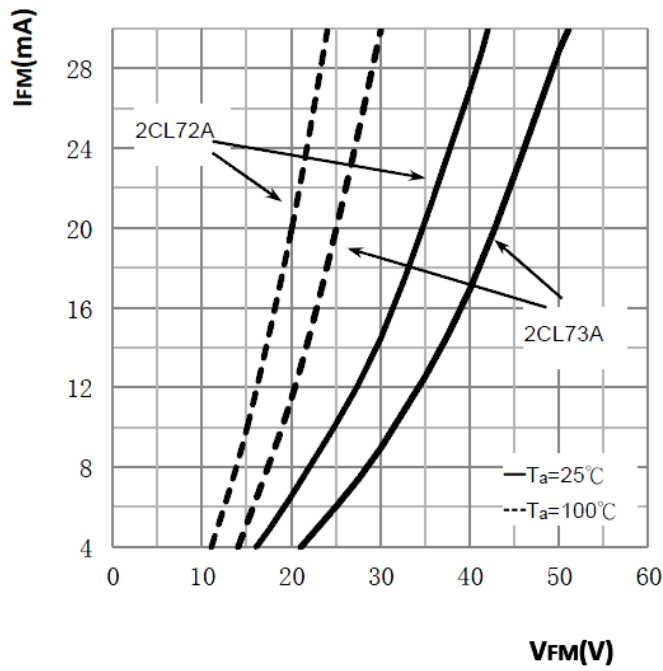


Figure 1. Forward characteristics

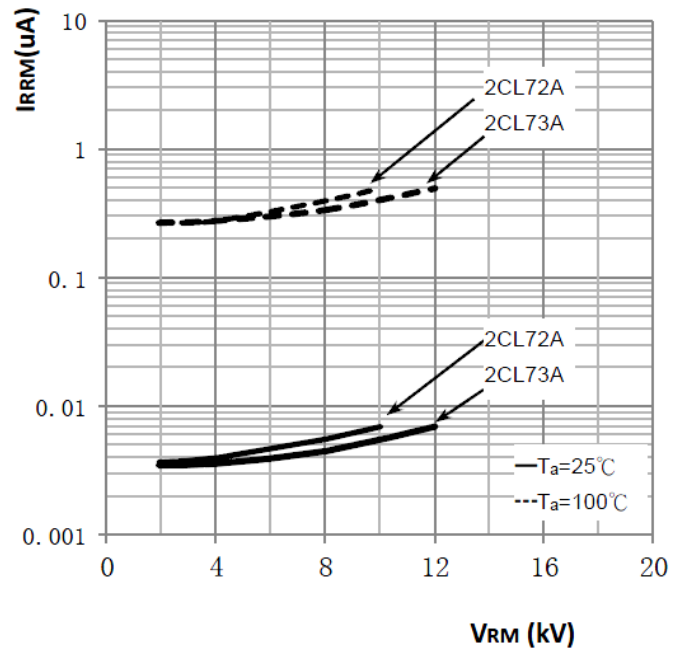


Figure 2. Reverse characteristics

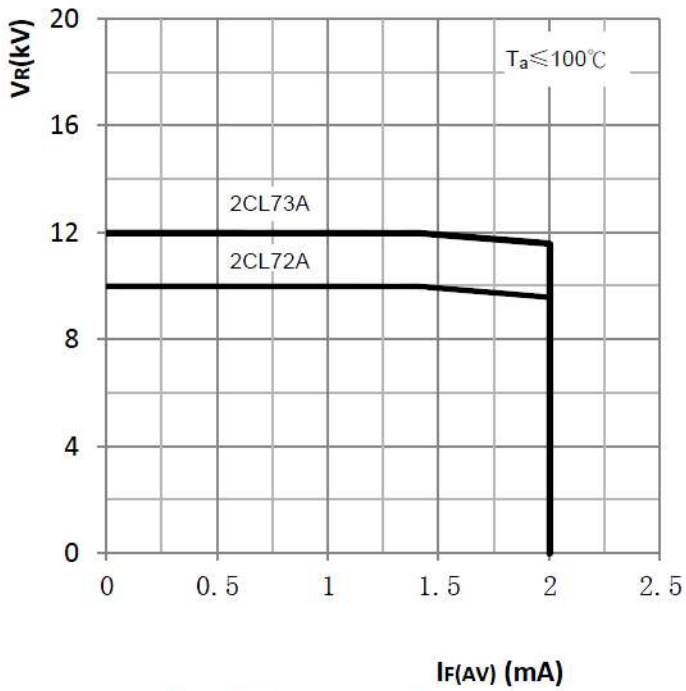


Figure 3. V_R - $I_{F(AV)}$ Curve

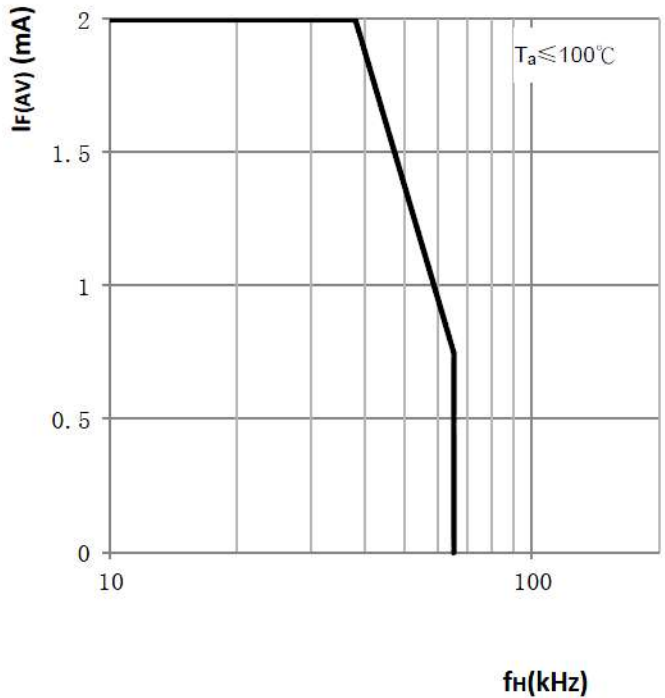
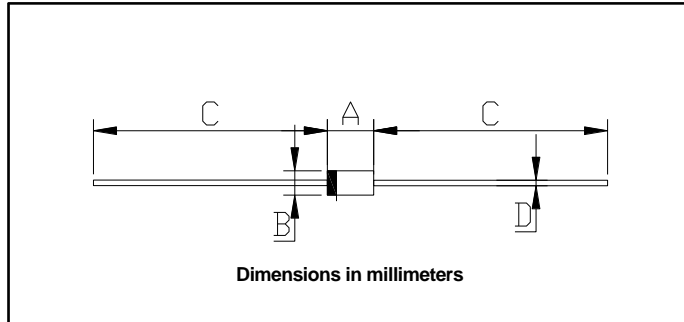


Figure 4. $I_{F(AV)}$ - f_H Curve

■ Outline Dimensions



DO-210		
Dim	Min	Max
A	9.8	10.2
B	2.3	2.7
C	26	/
D	0.47	0.53