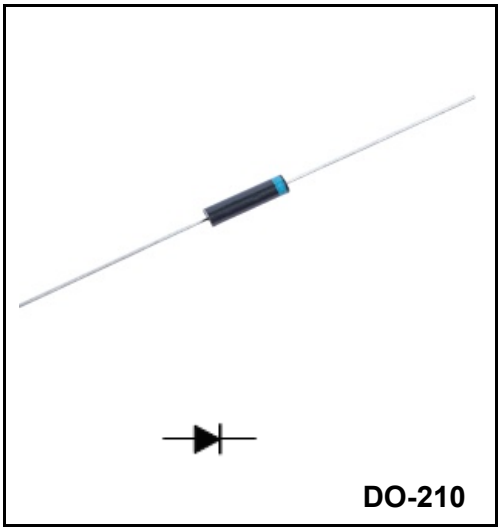
Fast recovery high voltage diodes

Reverse Voltage – 14KV-16KV

Forward Current –10mA



DO-210

FEATURES

- Supersmall size
- High reliability
- High speed switching

MECHANICAL DATA

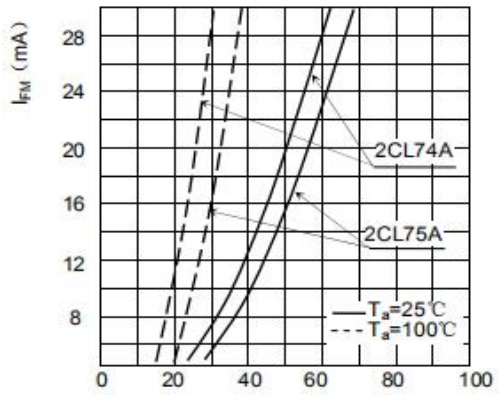
- Case: Molded Plastic Body
- Epoxy meets UL 94V-0 flammability rating
- Terminals: Pure tin plated leads, solderable per J-STD-002and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.
- Polarity: Color band denotes cathode end

Marking Code	
2CL74A	YFW 74A/T74A
2CL75A	YFW 75A/T75A

Maximum rating (Ta=25°C unless otherwise noted)

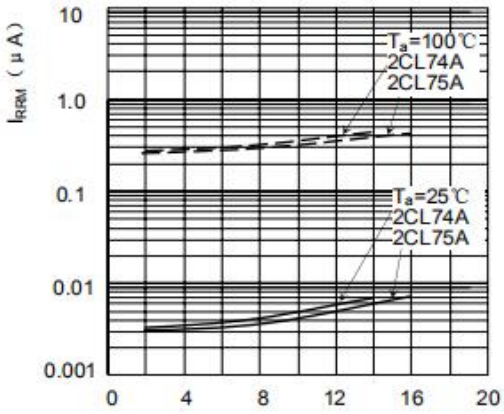
Parameter			Symbol	2CL74A	2CL75A	Unit
Repetitive peak reverse voltage			V_{RRM}	14	16	KV
Non-Repetitive peak reverse voltage			V_{RSM}	17	20	KV
Average forward current	60Hz half-sine wave, Resistance load, Ta=25°C		$IF_{(AV)}$	10		mA
Surge(Non-repetitive)forward current	60Hz half-sine wave,1cycle,T_a=25°C		I_{FSM}	0.5		A
Peak forward voltage	I_{FM}=10mA		V_{FM}	40	45	V
Peak reverse current $V_{RM}=V_{RRM}$		T_a=25°C	I_{RRM}	2		μA
		T_a=100°C		5		
Reverse recovery time	I_F=2mA,I_{RM}=4mA		Trr	0.08		uS
Operating ambient temperature			Ta	-40~+125		°C
Storage Temperature Range			T_{stg}	-40~+150		°C
Virtual junction temperature			$T_{(vj)}$	125		°C

Typical characteristics



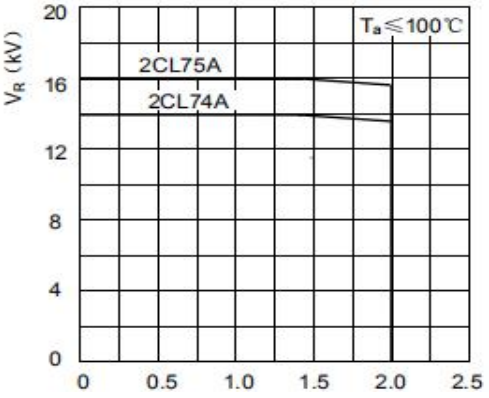
V_{FM}（V）

Forward Characteristics



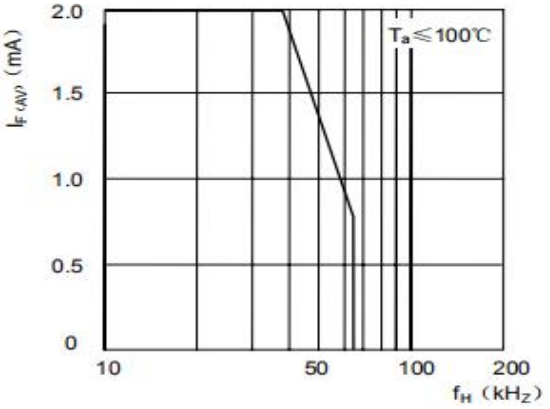
V_{RM}（kV）

Reverse Characteristics



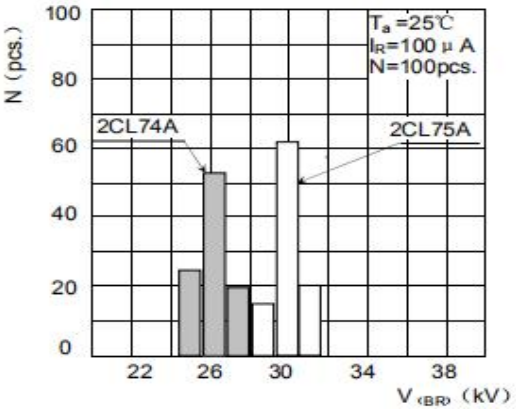
V_R—$I_{F（AV）}$ $I_{F(AV)}$（mA）

V_R—$I_{F（AV）}$ Curve

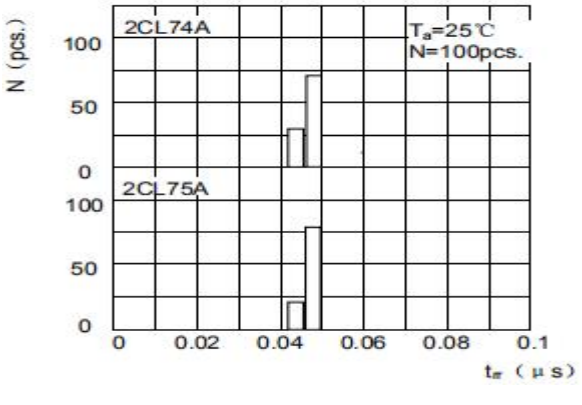


$I_{F（AV）}$—f_H

$I_{F（AV）}$—f_H Curve



Breakdown Voltage Distribution



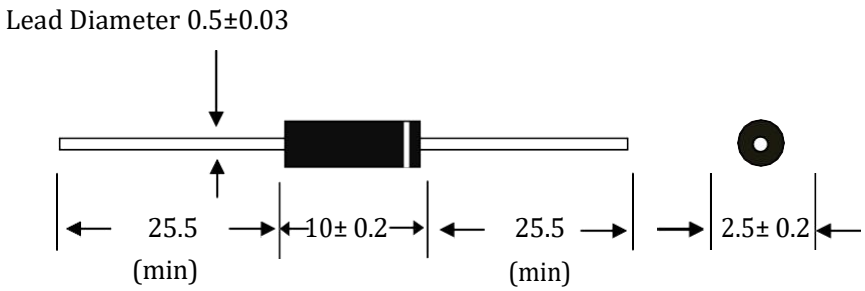
Reverse Recovery Time Distribution

Ordering information

Package	Packing Description	Packing Quantity
DO-210	ammo pack	5000PCS/Inner Box 50000PCS/Carton

Package Dimensions(Millimeter(mm)

DO-210



Disclaimer

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