

**YANGZHOU POSITIONING TECH. CO., LTD****High Frequency High Voltage Diode****2CL73****Characteristics**

1. High reliability
2. Surge characteristics unique
3. Fast recovery time to 80nS (Trr)
4. Low forward voltage drop (Vf)
5. Rectified current to 5~10mA, withstand voltage to 12KV
6. Junction temperature to -40~+130°C

Application

Copying machine、Air cleaner、Laser、Cathode ray monitor

1. Main Specification

No.	Item	Symbol	Unit	Rating	Conditions
1	Repetitive Peak Reverse Voltage	V_{RRM}	KV	12	
2	Average Forward Current	$I_{F(AV)}$	mA	10	Tamb=60 °C 50HZ Sine-half Wave Rectification Average Value

3	Forward Surge Current	I_{FSM}	A	0.5	$T_{amb}=25^{\circ}C$ 50HZ Sine-half Wave,One Shot
4	Reverse Surge Current	I_{RSM}	μA	2	Pulse width 1ms triangle wave single pulse
5	Maximum Junction Temperature	T_{jmax}	$^{\circ}C$	130	
6	Storage Temperature	T_{stg}	$^{\circ}C$	-40~+130	

2. Electric Specification

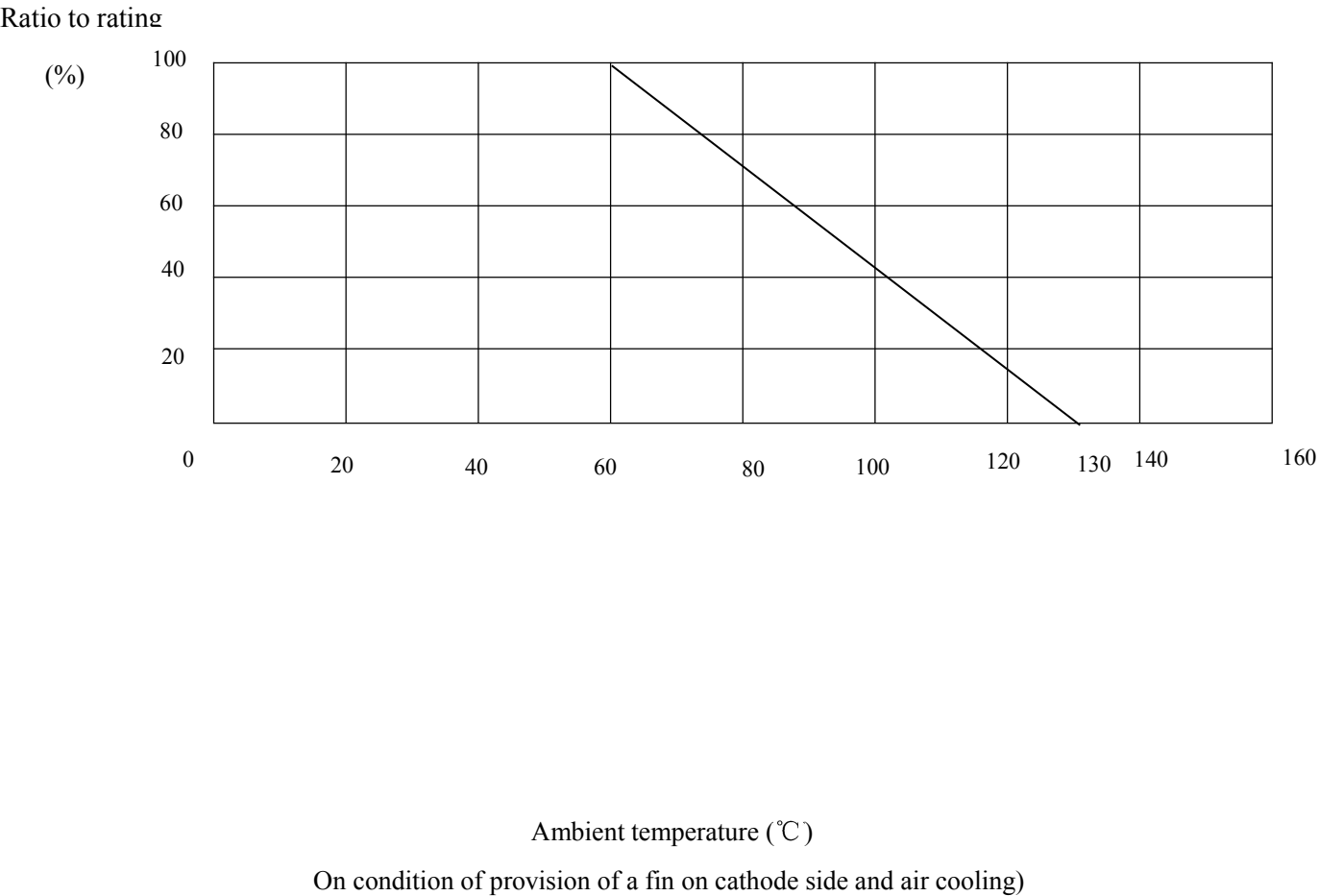
NO.	Item	Symbol	Unit		Test conditions
1	Forward Voltage Drop	V_{FM}	V	18max	$I_{F(AV)}=10mA$
2	Normal Temperature Reverse Current	I_{RM1}	μA	2max	$V_{RM}=12KV$
3	High Temperature Reverse Current	I_{RM2}	μA	2max	$T_{amb}=100^{\circ}C$ $V_{RM}=12KV$
4	Reverse Breakdown Voltage	V_Z	KV	12	$I_R=10mA$
5	Reverse Recovery Time	trr	nS	80	$I_F=2mA$, $I_{RM}=4mA$ 90%

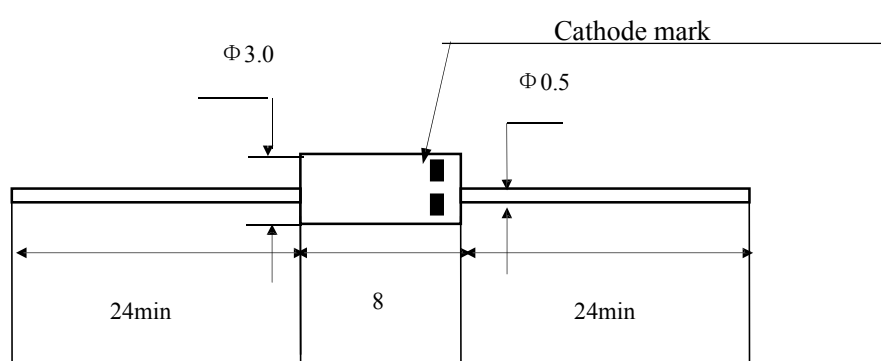
($T_{amb}=25^{\circ}C$, unless otherwise specified)

3. Application

For high voltage rectification;

4. Derating of Forward Current



5. Dimensions (in mm)

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