

High Voltage Diode of CL08-12

1. Main Specification

No.	Item	Symbol	Unit	Rating	Conditions
1	Repetitive Peak Reverse Voltage	VRRM	KV	12	
2	Average Forward Current	IF (AV)	mA	350	Tamb=60 °C 50HZ Sine-half Wave Rectification Average Value
3	Forward Surge Current	IFSM	A	15	Tamb=25 °C 50HZ Sine-half Wave,One Shot
4	Reverse Surge Current	IRSM	A	0.2	Pulse width 1ms triangle wave single pulse
5	Maximum Junction Temperature=	Tjmax	°C	130	
6	Storage Temperature	Tstg	°C	-40~+130	

2. Electric Specification

No.	Item	Symbol	Unit	Rating	Test conditions
1	Forward Voltage Drop	VFM	V	18.5max	IF(AV)=350mA
2	Normal Temperature Reverse Current	IRM1	A	5max	VRM=12KV
3	High Temperature Reverse Current	IRM2	A	50max	Tamb=100°C VRM=12KV
4	Reverse Breakdown Voltage	VZ	KV	12~18	IR=100uA
5	Reverse Recovery Time	trr	nS	80 max	IF=IR=100mA, 90%

(Tamb=25 oC, unless otherwise specified)

3. Application

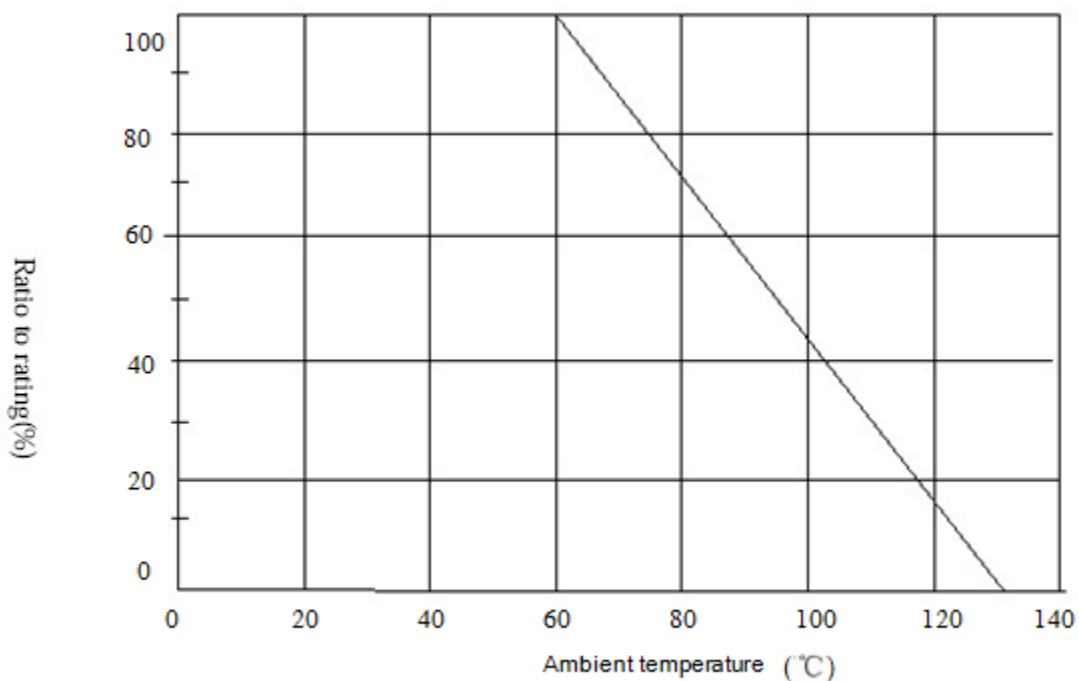
For high voltage rectification for Micro Wave oven;

Other electronic rectification fields

4. Derating of Forward Current

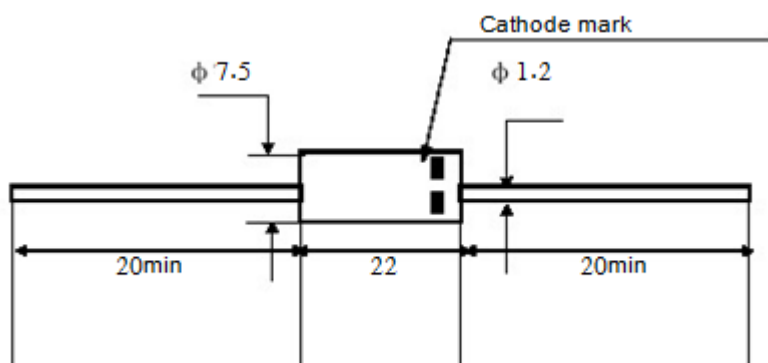


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(On condition of provision of a fin on cathode side and air cooling)

5. Dimensions (in mm)



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