


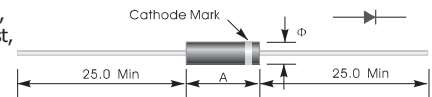
Product Overview: Our high voltage diode products are composed of multiple miniature P-N junction chips in series, which are the high voltage resistance layered modular constructions. Product has high reverse breakdown voltage, low forward voltage drop, high current resistance, ultrafast recovery time, low leakage current, fitting into harsh working condition. Technology application for these series products: high voltage resistance and heat resistance structural designs; special cutting technique for die chips; adopting new and advanced high heat resistance protective glue passivation; adopting new molding compound for modeling package to ensure humidity and heat resistance of silicon stacks reach to international advanced level.

- Product Features:**
- 1/ Low leakage current, impact resistance, avalanche breakdown protection.
 - 2/ High-speed transfer switch reaction, reverse recovery time for 35 to 150ns.
 - 3/ High heat resistance, PN junction temperature up to 150°C and junction temperature of special high heat chip up to 170°C.
 - 4/ Environmental-friendly technology and complying with international standards.

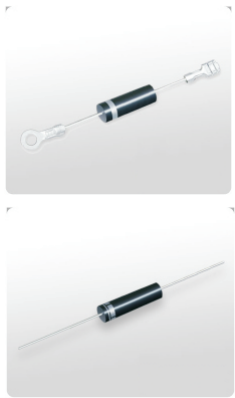
HVD-2CL7 Series High Voltage Diodes

Type	FUJI	Repetitive peak reverse voltage V_{RRM} KV	Average forward rectified current $I_{F(AV)}$ mA	Peak forward voltage Max V_{FM} V	Peak forward surge current I_{FSM} A	Maximum reverse current I_{RRM1} μ A $T_a=25^\circ\text{C}$	The reverse recovery time t_{rr} ns	Contour diagrams $\Phi \times A$ mm	Appearance
2CL69	ESJA54-04	04	5	18	0.5	2.0	80	$\Phi 2 \times 3 / \Phi 2.4 \times 8 / \Phi 2.5 \times 6.5$	
2CL70	ESJA54-06	06	5	20	0.5	2.0	80	$\Phi 2 \times 4.8 / \Phi 2.5 \times 6.5 / \Phi 3 \times 8$	
2CL71	ESJA54-08	08	5	25	0.5	2.0	50/80	$\Phi 2 \times 4.8 / \Phi 2.5 \times 6.5 / \Phi 3 \times 8$	
2CL72	ESJA52-10	10	5	30	0.5	2.0	50/80	$\Phi 2.5 \times 6.5 / \Phi 3 \times 10$	
2CL73	ESJA52-12	12	5	35	0.5	2.0	80	$\Phi 3 \times 10$	
2CL74	ESJA52-14	14	5	40	0.5	2.0	80	$\Phi 3 \times 10$	
2CL75	ESJA53-16	16	5	43	0.5	2.0	80	$\Phi 3 \times 12$	
2CL77	ESJA53-20	20	5	45	0.5	2.0	80	$\Phi 3 \times 12$	
2CL79	ESJA53-25	25	5	50	0.5	2.0	80	$\Phi 3 \times 12$	
2CL82	ESJA53-30	30	5	55	0.5	2.0	80	$\Phi 3 \times 12$	

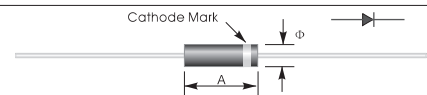
Features Display FBT, negative-ion generator, high voltage power supply for V.T.R camera, electrostatic spraying, electrostatic flocking, high voltage generator, high voltage test, small-sized X-ray machine, electric billy, high frequency doubler rectifier circuit and other high voltage power supply circuits.



HVD-CL Microwave Oven Series High Voltage Diode

Type	Repetitive peak reverse voltage V_{RRM} KV	Average forward rectified current $I_{F(AV)}$ mA	Peak forward voltage Max V_{FM} V	Peak forward surge current I_{FSM} A	Maximum reverse current I_{RRM1} μ A $T_a=25^\circ\text{C}$	The reverse recovery time t_{rr} ns	Contour diagrams $\Phi \times A$ mm	Appearance
CL01-09	09	350	11	20	2	--	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL01-12	12	350	12	20	2	--	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL04-12	12	500	12	25	2	--	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL04-15	15	500	13	25	2	--	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL03-10	10	350	18	20	1.5	80~100	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL03-15	15	500	20	20	0.5	80~100	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL03-18	18	200	21	15	0.3	80~100	$\Phi 4.5 \times 15$	
CL03-20	20	200	23	15	0.3	80~100	$\Phi 4.5 \times 15$	
CL05-08	08	500	13	25	0.8	40~65	$\Phi 7.5 \times 22$	
CL05-10	10	500	18	20	1.5	80~100	$\Phi 7.5 \times 22 / \Phi 4.5 \times 15$	
CL08-08	08	500	14	25	0.5	50~60	$\Phi 7.5 \times 22$	

Features Microwave oven high voltage power supply, Industrial and civil microwave power supply, laser power supply, X-ray, industrial CT and other high voltage power supply.





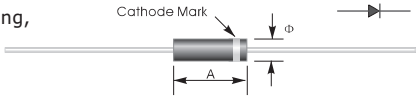
■ HVD-2CL Series High Voltage Diodes (20mA~30mA, 15KV~80KV, Trr: 100ns)

Type	Repetitive peak reverse voltage V _{RRM} KV	Average forward rectified current I _{F(AV)} mA	Peak forward voltage Max V _{FM} V	Peak forward surge current I _{FSM} A	Maximum reverse current Ta=25°C I _{RRM1} μA	The reverse recovery time trr ns	Contour diagrams ΦXA mm	Appearance	
2CL15KV/20mA	15	20	32	2	1.5	100	Φ3*12		
2CL20KV/20mA	20	20	35	2	1.5	100	Φ3*12		
2CL25KV/20mA	25	20	38	2	1.5	100	Φ3*12		
2CL30KV/20mA	30	20	42	2	1.5	100	Φ3*12		
2CL40KV/20mA	40	20	58	2	1.5	100	Φ8*40		
2CL60KV/20mA	60	20	82	2	1.5	100	Φ8*60		
2CL80KV/20mA	80	20	110	2	1.5	100	Φ8*80		
2CL15KV/30mA	15	30	32	3	2	100	Φ4.5*15		
2CL20KV/30mA	20	30	35	3	2	100	Φ4.5*15		
2CL30KV/30mA	30	30	42	3	2	100	Φ3*12/Φ4.5*15		
2CL40KV/30mA	40	30	55	3	2	100	8*40		
2CL60KV/30mA	60	30	80	3	2	100	Φ8*60		
2CL80KV/30mA	80	30	105	3	2	100	Φ8*80		
Features	High voltage power supply, laser power supply, neon lamp power supply, electrostatic spraying, electrostatic flocking, negative-ion generator, X-ray testing, voltage doubling rectifying circuit and other high voltage power supply rectifier circuits.								



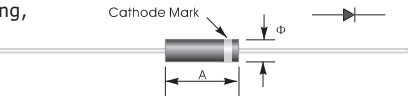
■ HVD-2CL Series High Voltage Diodes (50mA, 8KV~80KV, Trr: 100ns)

Type	Repetitive peak reverse voltage V _{RRM} KV	Average forward rectified current I _{F(AV)} mA	Peak forward voltage Max V _{FM} V	Peak forward surge current I _{FSM} A	Maximum reverse current Ta=25°C I _{RRM1} μA	The reverse recovery time trr ns	Contour diagrams ΦXA mm	Appearance
2CL0508	8	50	9	5	2.0	--	Φ4.5×15	
2CL0510	10	50	11	5	2.0	--	Φ4.5×15	
2CL0512	12	50	13	5	2.0	--	Φ4.5×15	
2CL0515	15	50	16	5	2.0	--	Φ4.5×15	
2CL0518	18	50	20	5	2.0	--	Φ4.5×15	
2CL0520	20	50	22	5	2.0	--	Φ4.5×15	
2CL0530	30	50	30	5	2.0	--	Φ8×40	
2CL0540	40	50	45	5	2.0	--	Φ8×60	
2CL0560	60	50	60	5	2.0	--	Φ8×80	
2CLG0508	8	50	16	5	2.0	100	Φ4.5×15	
2CLG0510	10	50	18	5	2.0	100	Φ4.5×15	
2CLG0512	12	50	22	5	2.0	100	Φ4.5×15	
2CLG0515	15	50	26	5	2.0	100	Φ4.5×15	
2CLG0518	18	50	30	5	2.0	100	Φ4.5×15	
2CLG0520	20	50	35	5	2.0	100	Φ4.5×15	
2CLG0530	30	50	51	5	2.0	100	Φ8×40	
2CLG0550	50	50	62	5	2.0	100	Φ8×60	
2CLG0580	80	50	115	5	2.0	100	Φ8×80	
Features	Electrostatic precipitation, electrostatic spraying, electrostatic flocking, negative-ion generator, high voltage generator, medical X-ray testing, laser power supply, high voltage test, high frequency doubler rectifier circuit and other high voltage power supply rectifying circuits.							



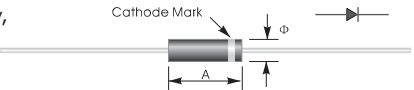
HVD-2CL/2CLG Series High Voltage Diodes (100mA, 6KV~80KV, T_{rr} :100nS ,10KHz~100KHz)

Type	Repetitive peak reverse voltage	Average forward rectified current	Peak forward voltage Max	Peak forward surge current	Maximum reverse current $T_a=25^{\circ}\text{C}$	The reverse recovery time		Contour diagrams $\Phi \times A$	Appearance	
	V_{RRM} KV	$I_{F(AV)}$ mA	V_{FM} V	I_{FSM} A	I_{RRM1} μA	t_{rr} ns	mm			
2CL10-04	4	100	5	10	2.0	--	--	$\Phi 2.5 \times 6.5$		
2CL10-06	6	100	7	10	2.0	--	--	$\Phi 2.5 \times 6.5$		
2CL10-08 / 2CL2F	8	100	9	10	2.0	--	--	$\Phi 4.5 \times 15$		
2CL10-10 / 2CL2G	10	100	11	10	2.0	--	--	$\Phi 4.5 \times 15$		
2CL10-12 / 2CL2H	12	100	13	10	2.0	--	--	$\Phi 4.5 \times 15$		
2CL10-15 / 2CL2J	15	100	16	10	2.0	--	--	$\Phi 4.5 \times 15$		
2CL10-30	30	100	35	10	2.0	--	--	$\Phi 8 \times 40$		
2CL10-40	40	100	52	10	2.0	--	--	$\Phi 8 \times 60$		
2CL10-60	60	100	65	10	2.0	--	--	$\Phi 8 \times 80$		
High Frequency										
2CL10-08 / 2CL2FF	8	100	16	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CL10-10 / 2CL2FG	10	100	18	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CL10-12 / 2CL2FH	12	100	22	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CLG10-15/2CL2FL	15	100	26	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CLG10-20/2CL2FM	20	100	35	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CLG10-30/2CL2FP	30	100	45	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CLG10-35/2CL2FR	35	100	50	10	2.0	100	100	$\Phi 4.5 \times 15$		
2CLG10-45	45	100	65	10	2.0	100	100	$\Phi 8 \times 40$		
2CLG10-60	60	100	95	10	2.0	100	100	$\Phi 8 \times 60$		
2CLG10-80	80	100	125	10	2.0	100	100	$\Phi 8 \times 80$		
Features	Electrostatic precipitation, electrostatic spraying, electrostatic flocking, negative-ion generator, high voltage generator, medical X-ray testing, laser power supply, high voltage test, high frequency doubler rectifier circuit and other high voltage power supply circuits.									

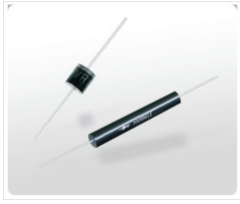
HVD-2CL/2CLG Series High Voltage Diodes (200mA, 8KV~18KV, T_{rr} :60~100nS, 10KHz~100KHz)

Type	Repetitive peak reverse voltage	Average forward rectified current	Peak forward voltage Max	Peak forward surge current	Maximum reverse current $T_a=25^{\circ}\text{C}$	The reverse recovery time		Contour diagrams $\Phi \times A$	Appearance	
	V_{RRM} KV	$I_{F(AV)}$ mA	V_{FM} V	I_{FSM} A	I_{RRM1} μA	t_{rr} ns	mm			
2CL20-04	4	200	7	20	2.0	--	--	$\Phi 2.5 \times 6.5$		
2CL20-08	8	200	9	20	2.0	--	--	$\Phi 4.5 \times 15 \ \Phi 5 \times 9$		
2CL20-10	10	200	11	20	2.0	--	--	$\Phi 4.5 \times 15 \ \Phi 5 \times 9$		
2CL20-12	12	200	13	20	2.0	--	--	$\Phi 4.5 \times 15 \ \Phi 5 \times 9$		
2CL20-15	15	200	16	20	2.0	--	--	$\Phi 4.5 \times 15 \ \Phi 5 \times 9$		
2CL20-30	30	200	32	20	2.0	--	--	$\Phi 8 \times 40$		
2CL20-40	40	200	50	20	2.0	--	--	$\Phi 8 \times 60$		
2CL20-60	60	200	62	20	2.0	--	--	$\Phi 8 \times 80$		
High Frequency										
2CL20-06T	6	200	15	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-08T	8	200	16	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-10T	10	200	18	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-12T	12	200	22	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-15T	15	200	26	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-18T	18	200	35	20	2.0	100/80	100/80	$\Phi 4.5 \times 15 \ \Phi 7.5 \times 22$		
2CL20-40T	40	200	65	20	2.0	100/80	100/80	$\Phi 8 \times 40$		
2CL20-60T	60	200	92	20	2.0	100/80	100/80	$\Phi 8 \times 60$		
2CL20-80T	80	200	120	20	2.0	100/80	100/80	$\Phi 8 \times 80$		
Features	Electrostatic precipitation, electrostatic spraying, electrostatic flocking, negative-ion generator, high voltage generator, medical X-ray testing, laser power supply, high voltage test, high frequency doubler rectifier circuit and other high voltage power supply circuits.									

HVD/HVDG Series High Voltage Diodes (15KV~80KV 0.5A 100ns)

Type	Repetitive peak reverse voltage V_{RRM} KV	Average forward rectified current $I_{F(AV)}$ mA	Peak forward voltage Max V_{FM} V	Peak forward surge current I_{FSM} A	Maximum reverse current I_{RRM1} μ A $T_a=25^\circ\text{C}$	The reverse recovery time t_{rr} ns	Contour diagrams $\Phi \times A$ mm	Appearance	
HVD500/8	8	500	10	2	1.5	--	$\Phi 4.5 \times 15 / \Phi 7.5 \times 22$		
HVD500/10	10	500	12	2	1.5	--	$\Phi 4.5 \times 15 / \Phi 7.5 \times 22$		
HVD500/15	15	500	13	2	1.5	--	$\Phi 4.5 \times 15 / \Phi 7.5 \times 22$		
HVD500/25	25	500	24	2	1.5	--	$\Phi 8 \times 50 / \Phi 8 \times 60$		
HVD500/35	35	500	36	2	1.5	--	$\Phi 8 \times 40 / \Phi 8 \times 60$		
HVD500/50	50	500	48	2	1.5	--	$\Phi 8 \times 80$		
High Frequency									
HVDG500/8	8	500	13	25	0.8	40~60	$\Phi 7.5 \times 22$		
HVDG500/15	15	500	20	20	0.5	100	$\Phi 4.5 \times 15 / \Phi 7.5 \times 22$		
HVDG500/16	16	500	27	20	0.8	50~60	$\Phi 8 \times 50 / \Phi 8 \times 60$		
HVDG500/30	30	500	55	15	2	100	$\Phi 8 \times 40$		
HVDG500/60	60	500	80	15	2	100	$\Phi 8 \times 60$		
HVDG500/80	80	500	105	15	2	100	$\Phi 8 \times 80$		
Features	High voltage power supply, laser power supply, neon lamp power supply, electrostatic spraying, electrostatic flocking, negative-ion generator, X-ray testing, voltage doubler rectifier circuit and other high voltage power supply rectifier circuits.								

HVR Series High Voltage Diodes (2KV~15KV 1.5A~2A 70~150ns)

Type	Repetitive peak reverse voltage V_{RRM} KV	Average forward rectified current $I_{F(AV)}$ mA	Peak forward voltage Max V_{FM} V	Peak forward surge current I_{FSM} A	Maximum reverse current I_{RRM1} μ A $T_a=25^\circ\text{C}$	The reverse recovery time t_{rr} ns	Contour diagrams $\Phi \times A$ mm	Appearance
HVRM2 / HVRW2	2/2	2.0/2.0	2.2/3.0	120/100	2.0/2.0	--/150	$\Phi 5 \times 9 / \Phi 8.8 \times 8.8$	
HVRM3 / HVRW3	3/3	2.0/2.0	3.0/3.2	150/100	2.0/2.0	--/150	$\Phi 8.8 \times 8.8 / \Phi 8.8 \times 8.8$	
HVRM4 / HVRW4	4/4	2.0/2.0	3.5/3.9	120/100	2.0/2.0	--/150	$\Phi 8.8 \times 8.8 / \Phi 8.8 \times 8.8$	
HVRM5 / HVRW5	5/5	2.0/2.0	4.0/5.6	120/100	2.0/2.0	--/70	$\Phi 8 \times 50 / \Phi 8 \times 50$	
HVRM6 / HVRW6	6/6	2.0/2.0	4.3/5.8	120/100	2.0/2.0	--/70	$\Phi 8 \times 60 / \Phi 8 \times 60$	
HVRM7 / HVRW7	7/7	2.0/2.0	5.9/7.6	100/80	2.0/2.0	--/70	$\Phi 8 \times 80 / \Phi 8 \times 80$	
HVRM8 / HVRW8	8/8	2.0/2.0	6.2/7.9	100/80	2.0/2.0	--/70	$\Phi 8 \times 80 / \Phi 8 \times 80$	
HVRM10 / HVRW10	10/10	1.5/1.5	8.9/10.5	80/60	2.0/2.0	--/70	$\Phi 8 \times 80 / \Phi 8 \times 80$	
HVRM12 / HVRW12	12/12	1.5/1.5	11.2/13.5	80/60	2.0/2.0	--/70	$\Phi 8 \times 80 / \Phi 8 \times 80$	
HVRM15 / HVRW15	15/15	1.5/1.5	13.6/16.2	80/60	2.0/2.0	--/70	$\Phi 8 \times 80 / \Phi 8 \times 80$	