HVCA®

高压二极管 High-Voltage Rectifier Diodes 1



特征 Features

- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching
- RoHS对应产品 RoHS corresponding products

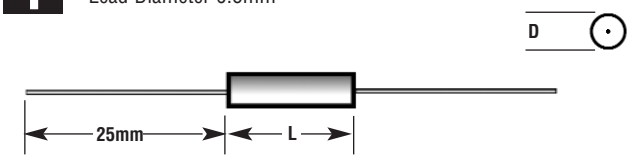
5.0mA 系列 Series

反向电压 Reverse Voltage
4.0kV-30kV

用途 Purpose

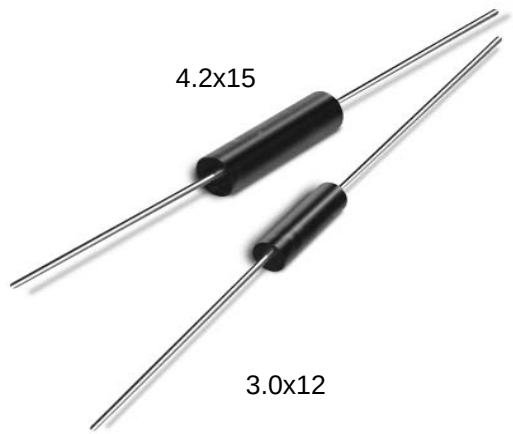
- 彩色电视机高压主电源整流用
  Rectification for high voltage power supply of color T.V.
- CRT显示器高压电源整流用
  Rectification for high voltage power supply of CRT display
- 空气净化器用 Air Clean Car
  负离子发生器 The negative ion generator
  静电喷涂设备 Electrostatic spraying eūipment
- 其它高压电源整流用 Others

FIGURE 1 **Do Series**
Lead Diameter 0.6mm



Type Number 型号	Repetitive Peak Reverse Voltage V_{RRM} kV (Volts) 反向峰值电压	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps) 正向平均电流	Max. Forward Voltage Drop V_F@10ma V (Volts) 正向峰值电压	Max. Reverse Current I_R@V_{RRM}@25°C μA (microAmps) 反向直流电流	Max. Surge Current I_{FSM}(8.3 ms) A (Amps) 正向浪涌电流	Max. Reverse Recovery Time T_{rr}(nsec) 恢复时间	Case Length (mm) 外形尺寸	
2CL •• Series							Fig1	D L
2CL69	4.0	5.0	18	2.0	0.5	100	2.5	6.5
2CL70	6.0	5.0	20	2.0	0.5	100	2.5	6.5
2CL71	8.0	5.0	25	2.0	0.5	100	2.5	6.5
2CL72	10.0	5.0	30	2.0	0.5	100	3.0	10
2CL73	12.0	5.0	35	2.0	0.5	100	3.0	10
2CL74	14.0	5.0	40	2.0	0.5	100	3.0	10
2CL75	16.0	5.0	43	2.0	0.5	100	3.0	12
2CL76	18.0	5.0	45	2.0	0.5	100	3.0	12
2CL77	20.0	5.0	45	2.0	0.5	100	3.0	12
2CL79	25.0	5.0	50	2.0	0.5	100	3.0	12
2CL82	30.0	5.0	55	2.0	0.5	100	3.0	12
JB •• Series							Fig1	D L
JB04	4.0	5.0	18	2.0	0.5	100	2.0	4.8
JB08	8.0	5.0	25	2.0	0.5	100	2.0	4.8
ESJA •• Series							Fig1	D L
ESJA54-04A	4.0	5.0	20	2.0	0.5	80	3.0	8.0
ESJA54-06A	6.0	5.0	25	2.0	0.5	80	3.0	8.0
ESJA54-08A	8.0	5.0	30	2.0	0.5	80	3.0	8.0
ESJA58-04A	4.0	5.0	20	2.0	0.5	80	2.5	6.5
ESJA58-06A	6.0	5.0	25	2.0	0.5	80	2.5	6.5
ESJA58-08A	8.0	5.0	30	2.0	0.5	80	2.5	6.5
ESJA08-08	8.0	5.0	28	2.0	0.5	50	2.5	6.5
ESJA52-10A	10.0	5.0	30	2.0	0.5	80	3.0	10
ESJA52-12A	12.0	5.0	35	2.0	0.5	80	3.0	10
ESJA52-14A	14.0	5.0	40	2.0	0.5	80	3.0	10
ESJA53-16A	16.0	5.0	55	2.0	0.5	80	3.0	12
ESJA53-18A	18.0	5.0	60	2.0	0.5	80	3.0	12
ESJA53-20A	20.0	5.0	65	2.0	0.5	80	3.0	12

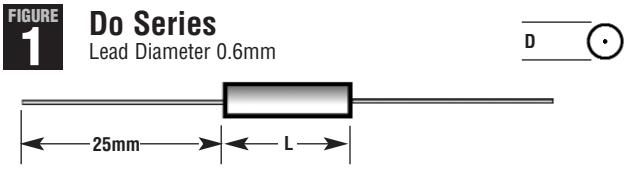
GETE 广州市格特电子有限公司 Http://www.getedz.com E-mail:sales@getedz.com
GETE ELECTRONICS CO.,LTD TEL:0086-20-81849628 FAX:0086-20-81849638
ADD：广东省广州市越秀区惠福西路171号二楼212室 Room212,No171,HuiFuXi Road Guangzhou City China



5.0mA-60mA 系列 Series

反向电压 Reverse Voltage
8.0kV-40kV

FIGURE 1 **Do Series**
Lead Diameter 0.6mm



特征 Features

- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching
- RoHS对应产品 RoHS corresponding products

用途 Purpose

- 彩色电视机高压主电源整流用
  Rectification for high voltage power supply of color T.V.
- CRT显示器高压电源整流用
  Rectification for high voltage power supply of CRT display
- 空气净化器用 Air Clean Car
  负离子发生器 The negative ion generator
  静电喷涂设备 Electrostatic spraying eüipment
  医疗设备电源 Power supply of medical eüipment
  激光器，电压倍增电路 Laser, voltage multiplier circuit
- 其它高压电源整流用 Others

Type Number 型号	Repetitive Peak Reverse Voltage V_{RRM} kV (Volts) 反向峰值电压	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps) 正向平均电流	Max. Forward Voltage Drop V_F@10ma V (Volts) 正向峰值电压	Max. Reverse Current I_R@V_{RRM}@25°C μA (microAmps) 反向直流电流	Max. Surge Current I_{FSM}(8.3 ms) A (Amps) 正向浪涌电流	Max. Reverse Recovery Time T_{rr} (nsec) 恢复时间	Fig1	D	L 外形尺寸
G••FP Series									
G20FP	20	10	55	0.2	3.0	100		3.0	12
G25FP	25	10	55	0.2	3.0	100		3.0	12
G30FP	30	10	55	0.2	3.0	100		3.0	12
JB•• Series									
JB99T	20	20	45	3.0	1.0	100		3.0	12
JB99	20	20	40	3.0	1.0	100		4.2	15
HVRT••• Series									
HVRT080	8	30	20	2.0	3.0	100		3.0	8
HVRT100	10	30	23	2.0	3.0	100		3.0	10
HVRT120	12	30	25	2.0	3.0	100		3.0	10
HVRT150	15	30	30	2.0	3.0	100		3.0	12
HVRT200	20	30	35	2.0	3.0	100		3.0	12
HVRT250	25	30	40	2.0	3.0	100		3.0	12
HVRT300	30	30	45	2.0	3.0	100		3.0	12
HVRL••• Series									
HVRL150	15	30	30	2.0	3.0	100		4.2	15
HVRL200	20	30	35	2.0	3.0	100		4.2	15
HVRL250	25	30	40	2.0	3.0	100		4.2	15
HVRL300	30	30	45	2.0	3.0	100		4.2	15
HVRL400	40	30	50	2.0	3.0	100		4.2	15
2CL2F• Series									
2CL2FF	8	60	16	2.0	10	150		4.2	15
2CL2FG	10	60	18	2.0	10	150		4.2	15
2CL2FH	12	60	20	2.0	10	150		4.2	15
2CL2FJ	15	60	24	2.0	10	150		4.2	15

GETE 广州市格特电子有限公司 Http://www.getedz.com E-mail:sales@getedz.com
GETE ELECTRONICS CO.,LTD TEL:0086-20-81849628 FAX:0086-20-81849638
ADD：广东省广州市越秀区惠福西路171号二楼212室 Room212,No171,HuiFuXi Road Guangzhou City China



100mA-400mA 系列 Series

反向电压 Reverse Voltage
4.0kV-35kV

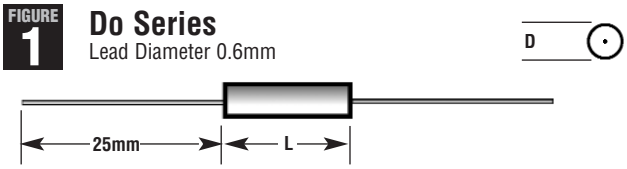
用途 Purpose

- 彩色电视机高压主电源整流用
  Rectification for high voltage power supply of color T.V.
- CRT显示器高压电源整流用
  Rectification for high voltage power supply of CRT display
- 空气净化器用 Air Clean Car
  负离子发生器 The negative ion generator
  静电喷涂设备 Electrostatic spraying eüipment
  医疗设备电源 Power supply of medical eüipment
  激光器，电压倍增电路 Laser, voltage multiplier circuit
- 其它高压电源整流用 Others

特征 Features

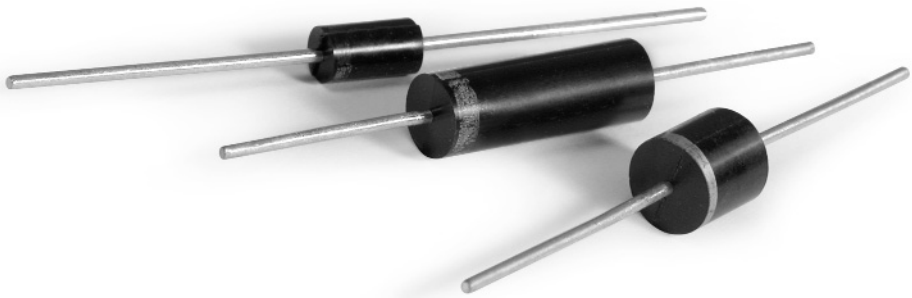
- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching
- RoHS对应产品 RoHS corresponding products

FIGURE 1 **Do Series**
Lead Diameter 0.6mm



Type Number 型号	Repetitive Peak Reverse Voltage V_{RRM} kV (Volts) 反向峰值电压	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps) 正向平均电流	Max. Forward Voltage Drop V_F@10ma V (Volts) 正向峰值电压	Max. Reverse Current I_R@V_{RRM}@25°C μA (microAmps) 反向直流电流	Max. Surge Current I_{FSM}(8.3 ms) A (Amps) 正向浪涌电流	Max. Reverse Recovery Time T_{rr}(nsec) 恢复时间	Case Length (mm) 外形尺寸	
100mA-400mA Series							**Fig1**	**D** **L**
2CL2F	08	100	10	2.0	20	--	4.2	15
2CL2G	10	100	12	2.0	20	--	4.2	15
2CL2H	12	100	13	2.0	20	--	4.2	15
2CL2J	15	100	16	2.0	20	--	4.2	15
2CL2FK	10	100	22	2.0	10	100	4.2	15
2CL2FL	15	100	26	2.0	10	100	4.2	15
2CL2FM	20	100	35	2.0	10	100	4.2	15
2CL2FP	30	100	45	2.0	10	100	4.2	15
2CL2FR	35	100	50	2.0	10	100	4.2	15
JB289	35	100	50	2.0	10	100	4.2	15
2CL2FD	04	200	13	2.0	10	100	3.0	08
2CL2FE	06	200	18	2.0	10	100	3.0	08
HVC10F	10	200	20	5.0	20	80	3.0	10
CL03-08	08	400	25	5.0	15	100	7.0	21
CL03-10	10	300	28	5.0	15	100	7.0	21
CL03-12	12	250	30	5.0	15	100	7.0	21
CL03-15	15	200	35	5.0	15	100	7.0	21
CL03-20	20	120	38	5.0	15	100	7.0	21
CL03-10F	10	300	25	5.0	15	80	7.0	21
CL03-15F	15	200	35	5.0	15	80	7.0	21
HV37-08	08	400	18	5.0	10	100	4.2	15
HV37-10	10	350	25	5.0	10	100	4.2	15
HV37-12	12	300	30	5.0	10	100	4.2	15
HV37-20	20	200	35	5.0	10	100	4.2	15
HV37-08F	08	400	18	5.0	10	80	4.2	15
HV37-10F	10	350	23	5.0	10	80	4.2	15
HV37-12F	12	300	28	5.0	10	80	4.2	15
HV37-20F	20	200	35	5.0	10	80	4.2	15

GETE 广州市格特电子有限公司 Http://www.getedz.com E-mail:sales@getedz.com
GETE ELECTRONICS CO.,LTD TEL:0086-20-81849628 FAX:0086-20-81849638
ADD：广东省广州市越秀区惠福西路171号二楼212室 Room212,No171,HuiFuXi Road Guangzhou City China



特征 Features

- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching
- RoHS对应产品 RoHS corresponding products

350mA Up 系列 Series

反向电压 Reverse Voltage
1.0kV-15kV

用途 Purpose

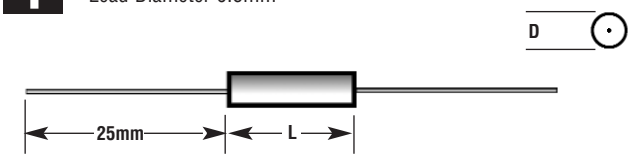
微波发射电源 Microwave power
医疗设备电源 Power supply of medical equipment
激光器，电压倍增电路 Laser, voltage multiplier circuit
微波炉专用 For microwave oven

- 空气净化器用 Air Clean Car

负离子发生器 The negative ion generator
静电喷涂设备 Electrostatic spraying equipment

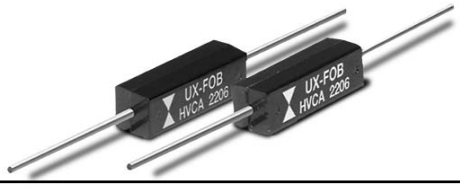
- 其它高压电源整流用 Others

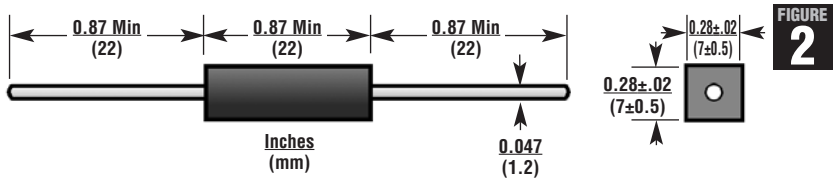
FIGURE 1 **Do Series**
Lead Diameter 0.6mm

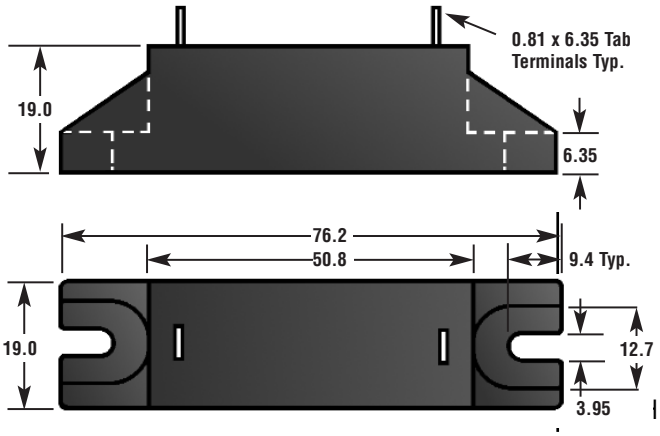


Type Number 型号	Repetitive Peak Reverse Voltage V_{RRM} kV (Volts) 反向峰值电压	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps) 正向平均电流	Max. Forward Voltage Drop V_F@10ma V (Volts) 正向峰值电压	Max. Reverse Current I_R@V_{RRM}@25°C μA (microAmps) 反向直流电流	Max. Surge Current I_{FSM}(8.3 ms) A (Amps) 正向浪涌电流	Max. Reverse Recovery Time T_{rr}(nsec) 恢复时间	Case Length (mm) 外形尺寸	
350mA Up Series			1				Fig1	D L
2CL103	09	350	10	3.0	30	--	7.0	21
2CL104	12	350	12	3.0	30	--	7.0	21
2CL105	09	450	11	3.0	30	--	7.0	21
2CL106	12	450	13	3.0	30	--	7.0	21
HV500F08	08	500	14	5.0	25	100	7.0	21
HV500F10	10	500	16	5.0	25	100	7.0	21
HV500F12	12	450	18	5.0	25	100	7.0	21
HV500F15	15	400	20	5.0	25	100	7.0	21
BR2	02	2000	2.4	3.0	40	--	5.0	9
BR4	04	1000	4.4	3.0	20	--	5.0	9
BR12	12	350	12	3.0	20	--	5.0	9
BR2F	02	1000	9.0	5.0	20	150	5.0	9
BR3F	03	1000	9.0	5.0	20	150	5.0	9
BR4F	04	800	11	5.0	20	150	5.0	9
BR5F	05	800	14	5.0	20	150	5.0	9
BR10F	10	800	25	5.0	20	150	5.0	9
GT-FOB	08	500	14	1.0	30	50	7.0	21
HVRM1	01	4000	3.0	50	100	--	9.0	9
HVRM2	02	3500	4.0	50	80	--	9.0	9
HVRM3	03	3000	5.0	50	60	--	9.0	9
HVRM4	04	2000	6.0	50	50	--	9.0	9
HVRW1	01	2500	2.0	50	100	150	9.0	9
HVRW2	02	2000	4.0	50	80	150	9.0	9
HVRW3	03	1500	5.0	50	60	150	9.0	9
HVRW4	04	1000	6.0	50	50	150	9.0	9

GETE 广州市格特电子有限公司 Http://www.getedz.com E-mail:sales@getedz.com
GETE ELECTRONICS CO.,LTD TEL:0086-20-81849628 FAX:0086-20-81849638
ADD：广东省广州市越秀区惠福西路171号二楼212室 Room212,No171,HuiFuXi Road Guangzhou City China









350mA Up 系列 Series

反向电压 Reverse Voltage 5.0kV-20kV

特征 Features

- 超小型 Supersmall size
- 高可靠性 High reliability
- 高速开关 High speed switching

对应产品 RoHS corres ondin p rod u cts

用途 Purpose

微波发射电源 Microwave power
医疗设备电源 Power supply of medical eu ipment
激光器，电压倍增电路 Laser, voltage multiplier circuit
微波炉专用 For microwave oven

- 空气净化器用 Air Clean Car

负离子发生器 The negative ion generator
静电喷涂设备 Electrostatic spraying eu ipment
高周波用 High freu ency

- 其它高压电源整流用 Others

Type Number 型号	Repetitive Peak Reverse Voltage V_{RRM} kV (Volts) 反向峰值电压	Avg. Forward Current Max. I_{FAVM}@55°C mA (milliAmps) 正向平均电流	Max. Forward Voltage Drop V_F@10ma V (Volts) 正向峰值电压	Max. Reverse Current I_R@V_{RRM}@25°C μA (microAmps) 反向直流电流	Max. Surge Current I_{FSM}(8.3 ms) A (Amps) 正向浪涌电流	Max. Reverse Recovery Time T_{rr}(nsec) 恢复时间	Case Length (mm) 外形尺寸
350mA Up Series			2				
UX-FOB	08	500	12	0.5	20	40	Fig2
HVM5	05	450	8.0	10	30	--	Fig2
HVM8	08	450	10	10	30	--	Fig2
HVM10	10	450	12	10	30	--	Fig2
HVM12	12	450	12	10	30	--	Fig2
HVM14	14	450	14	10	30	--	Fig2
HVM16	16	450	14	10	30	--	Fig2
HC5	05	1000	4.5	0.5	50	--	Fig3
HC8	08	1000	7.2	0.5	50	--	Fig3
HC10	10	1000	9.0	0.5	50	--	Fig3
HC12	12	800	10.5	0.5	50	--	Fig3
HC15	15	700	14.0	0.5	50	--	Fig3
HC20	20	600	18.0	0.5	50	--	Fig3
HVP-5	05	750	6.0	5.0	50	--	Fig3
HVP-8	08	750	9.0	5.0	50	--	Fig3
HVP-10	10	750	12.0	5.0	50	--	Fig3
HVP-12	12	750	14.0	5.0	50	--	Fig3
HVP-14	14	750	16.0	5.0	50	--	Fig3
HVP-15	15	750	17.0	5.0	50	--	Fig3
HVP-16	16	750	18.0	5.0	50	--	Fig3
HVP-20	20	750	22.0	5.0	50	--	Fig3

GETE 广州市格特电子有限公司 Http://www.getedz.com E-mail:sales@getedz.com
GETE ELECTRONICS CO.,LTD TEL:0086-20-81849628 FAX:0086-20-81849638
ADD：广东省广州市越秀区惠福西路171号二楼212室 Room212,No171,HuiFuXi Road Guangzhou City China