

# 大电解 Large Can Type

## CD293

85°C, 2000 小时, 焊针引出

85°C, 2000 hours snap-in terminal

适用于彩电, 电脑, 功放, 仪表仪器, 家用电器等电源滤波

Suit for use in filtering circuit of color TV, computer and home appliance,

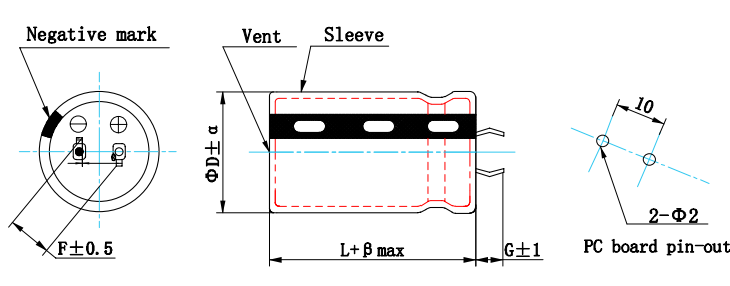


规格表 Specifications

项目 Item	特性参数 Characteristics														
额定工作电压范围 Rated Voltage Range	16~450V.DC														
使用温度范围 Operating Temperature Range	- 40 ~ + 85°C ( 16 ~ 450V )														
电容量允许偏差 Capacitance Tolerance	±10%(K) , ±20%(M) (20°C,100/120Hz)														
漏电流 Leakage Current	$I \leq 0.03C_R U_R (\mu A)$ or 3mA 二者取小值, 两分钟读数(20°C) Whichever is greater after 2 minutes at 20°C														
损耗角正切 tgδ Dissipation Factor	(20°C, 100/120Hz)														
	<table border="1"> <tr> <td><math>U_R(V)</math></td> <td>16~25</td> <td>35~63</td> <td>80~100</td> <td>160~200</td> <td>250~450</td> </tr> <tr> <td>tgδ</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.18</td> <td>0.23</td> </tr> </table> <p>标称容量超过 4700µF, 则每增加 2000µF, 损耗正切增加 0.02 Add 0.02 per 2000µF for more than 4700µF.</p>	$U_R(V)$	16~25	35~63	80~100	160~200	250~450	tgδ	0.30	0.25	0.20	0.18	0.23		
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tgδ	0.30	0.25	0.20	0.18	0.23										
低温特性 Low Temperature Characteristics	电容器在 100Hz 或 120Hz 下的阻抗比值不应超过下表所列出的值 Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table														
高温储存特性 Shelf Life	+85°C 存放 1000 小时, 经恢复后 After storage at 85°C for 1000 hours, the capacitors shall meet the following requirements.														
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$U_R(V)$	16~35	50~100	160	200~450											
$Z_{-40^\circ C}/Z_{+20^\circ C}$	10	6	/	/											
$Z_{-25^\circ C}/Z_{+20^\circ C}$	/	/	4	7											
耐久性 Load Life	+85°C 下施加含额定纹波电流的额定工作电压 2000 小时, 经恢复后 After application of rated voltage with ripple current for 2000hours at +85°C, the following specification shall be satisfied														
其它 Others	符合 Q/ELEBASIC-E 07—2003, GB/T5993-2003														
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# CD293

## 产品外形图 Dimensions



	(mm)			
D	22	25	30	35
F	10			
G	6.0			
α	1.0			
β	2.0			

### 尺寸与最大纹波电流一览表

Size And Max Ripple Current

尺寸 Size:  $\Phi D \times L$  (mm);

纹波电流( $I_R$ ) Ripple Current: (Arms, 85°C, 100/120Hz)

$U_R$ (V)	16		25		35		50		63		80		100	
	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$
<b>1000</b>									22×30	0.94	22×30	1.05	22×30	1.05
<b>2200</b>					22×30	1.40	22×30	1.40	22×40	1.58	30×30	1.92	30×50	2.32
<b>3300</b>					22×35	1.83	22×40	1.94	25×45	2.20	25×45	2.45	30×50	3.10
<b>4700</b>			22×30	1.86	22×40	2.31	25×45	2.61	25×45	2.60	30×50	3.39	30×60	3.67
<b>5600</b>			22×35	2.17	25×40	2.61	30×30	2.45	30×40	2.76	30×50	4.10	35×50	3.70
<b>6800</b>	22×30	2.17	22×40	2.46	22×40	2.65	25×40	2.87	30×50	3.51	30×60	4.21	35×60	4.59
<b>8200</b>	22×30	2.17	22×40	2.46	25×45	3.09	30×40	3.20	30×50	3.51	35×50	4.25	35×70	4.92
<b>10000</b>	22×30	2.55	22×40	2.85	30×40	3.73	30×50	4.11	30×60	4.45	35×60	5.32	35×70	6.05
	22×35	2.73	30×25	3.09	30×50	4.11	35×40	4.10	35×50	4.50	35×70	5.71	35×80	6.71
<b>12000</b>	22×40	3.26	25×40	3.50	30×50	4.54	30×70	5.30	35×60	5.40	35×80	7.13	35×100	7.13
<b>15000</b>	25×40	3.73	30×40	3.89	35×50	5.00	35×50	5.00	35×70	5.79	35×100	7.40		
<b>22000</b>	25×45	4.26	30×50	4.84	35×50	5.60	35×70	6.48	35×80	7.40				
<b>33000</b>	30×50	5.26	35×50	5.75	35×60	6.50	35×80	6.98	35×100	7.64				
<b>39000</b>	30×50	5.75	35×60	6.23	35×70	6.98	35×100	7.14						
<b>47000</b>	35×50	6.17	35×70	7.14	35×80	7.14								
<b>56000</b>	35×60	6.48	35×80	7.40	35×100	7.64								
<b>68000</b>	35×70	6.98	35×80	7.64										
<b>100000</b>	35×60													

# 大电解 Large Can Type

## CD293 尺寸与最大纹波电流一览表

尺寸 Size:  $\Phi D \times L$  (mm);

Size And Max Ripple Current

纹波电流( $I_R$ ) Ripple Current: (Arms, 85°C, 100/120Hz)

$C_R(\mu F)$	160		200		250		315		400		450	
	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$	Size	$I_R$
68									22×25	0.21	22×30	0.57
									22×30	0.24	30×25	0.64
100							22×25	0.26	22×30	0.28	25×30	0.78
							22×30	0.29	22×40	0.33	30×30	0.92
150					22×30	0.35	22×40	0.26	25×30	0.37	25×35	1.10
					25×25	0.35	25×30	0.29	25×40	0.44	25×30	1.20
220	22×25	0.39	22×30	0.42	25×30	0.46	25×40	0.53	25×45	0.55	30×40	1.43
	22×30	0.42	25×25	0.42	25×40	0.55	30×30	0.50	30×35	0.53	30×50	1.55
330	22×40	0.60	22×40	0.60	25×40	0.65	30×40	0.70	30×50	0.78	30×50	1.74
	30×25	0.55	30×25	0.55	30×30	0.60	35×30	0.65	35×40	0.75	35×50	1.80
470	25×40	0.78	22×40	0.70	25×45	0.80	30×50	0.93	30×60	1.00	30×60	1.82
	30×30	0.72	35×30	0.80	30×40	0.83	35×40	0.90	35×60	1.10	35×60	1.86
560	25×45	0.90	22×45	0.81	25×50	0.92	35×40	1.10	35×50	1.10	35×60	1.95
	30×30	0.79	25×45	0.90	35×40	1.00	35×50	1.23	35×60	1.20	35×70	2.00
680	25×45	1.00	25×45	1.00	30×50	1.12	35×50	1.21	35×50	1.43	35×60	2.13
	35×30	0.94	30×50	1.12	35×50	1.21	35×60	1.32	35×60	1.55	35×70	2.17
820	30×40	1.12	35×40	1.12	30×60	1.32	35×60	1.46	35×70	1.74	35×70	2.35
	30×50	1.23	35×50	1.23	35×50	1.33	35×70	1.55	35×70	2.00	35×80	2.55
1000	30×40	1.25	30×50	1.47	35×50	1.47	35×70	1.74	35×80	2.55	35×80	3.09
	30×50	1.36	30×60	1.55	35×60	1.74	35×80	2.17	35×80	3.09	35×90	3.67
1500	35×35	1.55	30×60	1.82	35×60	2.00	35×80	2.35	35×90	3.67	35×100	4.10
	35×50	1.80	35×60	2.00	35×70	2.13	35×90	2.55				
1800	35×50	1.95	35×60	2.17	35×60	2.17	35×80	3.09				
2000	35×60	2.16	35×70	2.33	35×70	2.35	35×90	3.67				
2200	35×50	2.22	35×80	2.40	35×80	2.55	35×100	4.10				
2700	35×60	2.40	35×90	2.87	35×90	3.09						
3300	35×50	2.87	35×100	3.09	35×100	3.67						

### 纹波电流修正系数 Ripple Current Multiplier

频率系数 Frequency Coefficient

Frequency (Hz)	50/60	100/120	1K	$\geq 10K$
16~100V	0.9	1.0	1.15	1.25
160~450V	0.8	1.0	1.25	1.45

温度系数 Temperature Coefficient

Temperature (°C)	$\leq 45$	65	85
Coefficient	1.6	1.3	1