

# CD92L SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 85°C
- Long life, Higher ripple current than CD92 series
- Extremely low impedance



### SPECIFICATIONS

Item	Characteristics																																					
Operating Temperature Range(°C)	-40~+85																																					
Rated Voltage Range (V)	10~100																																					
Nominal Capacitance Range (µF)	1000~220000																																					
Capacitance Tolerance(20°C,120Hz)	±20%																																					
Leakage current(20°C)	1≤0.006CV+4(µA) or 5mA(Whichever is smaller)(after 5 minutes) C: Nominal capacitance (µF) V: Rated voltage (V)																																					
Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th colspan="2">Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td rowspan="4">tanδ</td> <td>D=35</td> <td>0.50</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> </tr> <tr> <td>D=50</td> <td>0.75</td> <td>0.50</td> <td>0.40</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> </tr> <tr> <td>D=64</td> <td>1.00</td> <td>0.75</td> <td>0.50</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> </tr> <tr> <td>D=76</td> <td>1.50</td> <td>1.00</td> <td>0.75</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> </tr> </tbody> </table>	Rated Voltage (V)		10	16	25	50	63	100	tanδ	D=35	0.50	0.40	0.30	0.25	0.20	0.15	D=50	0.75	0.50	0.40	0.30	0.25	0.20	D=64	1.00	0.75	0.50	0.35	0.30	0.25	D=76	1.50	1.00	0.75	0.50	0.40	0.35
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### DIMENSIONS

MM

### MULTIPLIER FOR RIPPLE CURRENT

**Lead spacing and diameter**

ΦD	35	50	64	76
F	12.7	21.8	28.2	31.4

**Frequency coefficient**

Freq. (Hz)	50	100	400	1K	20K
Coefficient	0.7	1.0	1.08	1.10	1.15

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## ■ STANDARD RATINGS

WV(V)	10			16			25		
Cap(μF)	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple
	ΦDxL(mm)	Z(mΩ)	(A)	ΦDxL(mm)	Z(mΩ)	(A)	ΦDxL(mm)	Z(mΩ)	(A)
1000	-	-	-	-	-	-	-	-	-
1500	-	-	-	-	-	-	-	-	-
2200	-	-	-	-	-	-	-	-	-
3300	-	-	-	-	-	-	-	-	-
4700	-	-	-	-	-	-	35X60	23	5.2
6800	-	-	-	-	-	-	35X60	21	5.2
10000	-	-	-	35X60	20	6	35X80	15	6.7
15000	35X60	20	6	35X80	14	7.5	35X100	11	9.7
22000	35X80	14	7.5	35X100	10	10	50X80	9.5	12.5
33000	35X100	10	10	50X80	9.5	13	50X100	8.0	18
47000	50X80	9.5	14	50X100	8.0	18	64X100	5.0	27
68000	50X100	8.0	18	64X100	5.0	28	64X100	5.0	27
100000	64X100	5.0	30	64X100	5.0	28	76X100	4.0	37
150000	64X100	5.0	30	76X100	4.0	37	-	-	-
220000	76X100	4.0	37	-	-	-	-	-	-

WV(V)	50			63			100		
Cap(μF)	Size	Impedance	Ripple	Size	Impedance	Ripple	Size	Impedance	Ripple
	ΦDxL(mm)	Z(mΩ)	(A)	ΦDxL(mm)	Z(mΩ)	(A)	ΦDxL(mm)	Z(mΩ)	(A)
1000	-	-	-	-	-	-	35X60	67	3.0
1500	-	-	-	-	-	-	35X60	60	3.3
2200	-	-	-	35X60	33	3.7	35X80	42	4.6
3300	35X60	32	4.5	35X60	30	3.7	35X100	28	6.5
4700	35X60	33	4.5	35X80	21	5.2	50X80	25	7.4
6800	35X80	23	6	35X100	15	7.5	50X100	18	9.9
10000	35X100	17	7.5	50X80	14	9.5	64X100	11	15.0
15000	50X80	13	10	50X100	10.5	13.5	64X100	10	15.8
22000	50X100	10.5	15	64X100	6.0	21	76X100	8	20.5
33000	64X100	6.0	21	64X100	6.0	22	-	-	-
47000	64X100	6.0	22	76X100	4.5	30	-	-	-
68000	76X100	4.5	30	-	-	-	-	-	-

■ Ripple Current: 85°C, 100Hz or 120Hz; Impedance: 20°C, 20KHz.

The specific capacitance and case size are available on request.