

# CD92/CD92H SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS



- CD92: Load life of 1000 hours at 85°C
- CD92H: Load life of 1000 hours at 105°C
- Low voltage, Large capacitance, Screw type, Low dissipation factor, Low leakage current, Small size, High ripple current

### SPECIFICATIONS

Item	Characteristics																																										
Operating Temperature Range(°C)	-40~+85(CD92H: -40~+105)																																										
Rated Voltage Range (V)	10~100																																										
Nominal Capacitance Range (μF)	2200~470000																																										
Capacitance Tolerance(20°C,120Hz)	±20%																																										
Leakage current(20°C)	D=35mm: I≤0.02CV (μA) or 3mA (Whichever is smaller)	D≥50mm: I≤0.03CV(μA) or 5mA (Whichever is smaller)																																									
	C: Nominal capacitance (μF) V: Rated voltage (V)																																										
Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35~63</th> <th>80</th> <th>100</th> </tr> </thead> <tbody> <tr> <td rowspan="4">tanδ</td> <td>D=35</td> <td>0.75</td> <td>0.50</td> <td>0.35</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> <tr> <td>D=50</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=65</td> <td>1.50</td> <td>1.00</td> <td>0.75</td> <td>0.50</td> <td>0.35</td> <td>0.35</td> </tr> <tr> <td>D=80</td> <td>2.00</td> <td>1.50</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	35~63	80	100	tanδ	D=35	0.75	0.50	0.35	0.25	0.25	0.25	D=50	1.00	0.75	0.50	0.35	0.30	0.25	D=65	1.50	1.00	0.75	0.50	0.35	0.35	D=80	2.00	1.50	0.75	0.50	0.40	0.35
	Rated Voltage (V)	10	16	25	35~63	80	100																																				
	tanδ	D=35	0.75	0.50	0.35	0.25	0.25	0.25																																			
		D=50	1.00	0.75	0.50	0.35	0.30	0.25																																			
D=65		1.50	1.00	0.75	0.50	0.35	0.35																																				
D=80		2.00	1.50	0.75	0.50	0.40	0.35																																				
Load Life(+85°C, CD92H:+105°C)	Time		1000 hours.																																								
	Leakage Current		Not more than the initial specified value.																																								
	Capacitance Change		Within ±15% of the initial value.																																								
	Dissipation Factor		Not more than 200% of the specified value																																								
Shelf Life(+85°C, CD92H:+105°C)	Time		500 hours.																																								
	Leakage Current		Not more than the initial specified value.																																								
	Capacitance Change		Within ±15% of the initial value.																																								
	Dissipation Factor		Not more than 200% of the specified value																																								
After test: Rated voltage to be applied for 30 minutes, 24 to 48 hours before measurement.																																											

### DIMENSIONS

MM

#### Lead spacing and diameter

φD	35	50	65	80
F	12.7	21.8	28.2	31.4

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## ■ STANDARD RATINGS

WV(V)	10		16		25		35		50		63		80		100	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)	ΦDxL (mm)	(A)
2200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35X50	2.1
3300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35X80	3.0
4700	-	-	-	-	-	-	-	-	-	-	35X50	3.0	35X80	3.4	35X100	3.9
6800	-	-	-	-	-	-	-	-	35X50	3.6	35X60	3.9	35X80	4.3	35X120	4.9
10000	-	-	-	-	-	-	35X50	4.3	35X60	4.7	35X80	5.1	35X80	6.0	50X80	6.0
15000	-	-	-	-	35X50	4.4	35X80	6.2	35X80	6.2	35X100	6.7	50X100	7.0	50X120	8.3
22000	-	-	35X50	4.5	35X80	6.3	35X100	8.0	35X80	7.3	50X80	7.4	65X100	7.8	65X120	9.1
33000	35X50	4.2	35X80	6.4	35X100	8.3	35X80	9.0	50X80	9.0	50X100	9.7	80X100	10.5	80X120	12.0
47000	35X80	6.2	35X100	8.2	35X80	8.9	50X80	11.5	50X100	11.5	60X100	10.5	80X120	13.5	-	-
68000	35X100	8.0	35X120	10.5	50X80	10.8	50X120	14.6	65X100	12.7	65X120	13.4	-	-	-	-
100000	35X120	10.4	50X80	10.7	50X120	14.8	65X100	15.4	80X120	16.6	-	-	-	-	-	-
150000	50X80	11.3	50X120	14.8	65X120	16.2	65X120	21.4	-	-	-	-	-	-	-	-
220000	50X120	15.5	65X120	17.0	80X120	21.2	-	-	-	-	-	-	-	-	-	-
330000	65X120	17.0	80X120	22.5	-	-	-	-	-	-	-	-	-	-	-	-
470000	80X120	21.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 85°C(CD92H:105°C),100Hz or 120Hz

The specific capacitance and case size are available on request.