

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
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Load Life(+85°C, CD92H:+105°C)	<table border="1"> <thead> <tr> <th>Time</th> <th>500 hours.</th> </tr> </thead> <tbody> <tr> <td>Leakage Current</td> <td>Not more than the initial specified value.</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±15% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value</td> </tr> </tbody> </table>							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																												
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Shelf Life(+85°C, CD92H:+105°C)	<p>After test: Rated voltage to be applied for 30 minutes, 24 to 48 hours before measurement.</p>																																										

DIMENSIONS

MM

Lead spacing and diameter

φD	35	50	65	80
F	12.7	21.8	28.2	31.4

CD92/CD92H SERIES



■ 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.