

CD295 SERIES



ALUMINUM ELECTROLYTIC CAPACITORS



- Load life of 3000 hours at 85°C
- High ripple current

■ SPECIFICATIONS

Item	Characteristics																		
Operating Temperature Range(°C)	-40~+85(250~450WV:-25~+85)																		
Rated Voltage Range (V)	16~450																		
Nominal capacitance range (μF)	39~22000																		
Capacitance Tolerance(20°C,120Hz)	±20%																		
Leakage current (μA)	$I \leq 0.01CV$ or 1.5mA whichever is smaller (at 20°C ,after 5 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)																		
Dissipation Factor(20°C,120Hz)	<table border="1"> <thead> <tr> <th>Rated voltage (v)</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>80</th> <th>100</th> <th>160~450</th> </tr> </thead> <tbody> <tr> <td>tanδ (MAX)</td> <td>0.50</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.20</td> <td>0.15</td> </tr> </tbody> </table>	Rated voltage (v)	16	25	35	50	63	80	100	160~450	tanδ (MAX)	0.50	0.40	0.35	0.30	0.25	0.20	0.20	0.15
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■ DIMENSIONS

MM

■ MULTIPLIER FOR RIPPLE CURRENT

		<h4>Frequency Coefficient</h4> <table border="1"> <thead> <tr> <th>Freq (Hz)</th> <th>50</th> <th>60</th> <th>100(120)</th> <th>1K</th> <th>10K</th> </tr> </thead> <tbody> <tr> <td>Rated Voltage(V)</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>16~100</td> <td>0.88</td> <td>0.90</td> <td>1</td> <td>1.15</td> <td>1.15</td> </tr> <tr> <td>160~250</td> <td>0.85</td> <td>0.88</td> <td>1</td> <td>1.15</td> <td>1.20</td> </tr> <tr> <td>400~450</td> <td>0.88</td> <td>0.90</td> <td>1</td> <td>1.10</td> <td>1.15</td> </tr> </tbody> </table>					Freq (Hz)	50	60	100(120)	1K	10K	Rated Voltage(V)						16~100	0.88	0.90	1	1.15	1.15	160~250	0.85	0.88	1	1.15	1.20	400~450	0.88	0.90	1	1.10	1.15
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■ STANDARD RATINGS

WV(V)	16		25		35		50		63		80		100	
	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple
	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)
22x25	4700	1.4	3300	1.3	2200	1.1	1200	0.96	820	0.92	560	0.76	390	0.64
22x30	6800	1.8	4700	1.6	2700	1.3	1800	1.2	1200	1.2	820	0.96	560	0.80
22x35	8200	2.0	5600	1.8	3900	1.6	2200	1.4	1500	1.3	1000	1.1	680	0.92
22x40	10000	2.3	6800	2.0	4700	1.9	2700	1.6	1800	1.5	1200	1.2	820	1.0
22x50	15000	2.9	10000	2.6	6800	2.4	-	-	2200	1.7	1800	1.6	1200	1.3
25x25	6800	1.8	4700	1.6	3300	1.3	1800	1.2	1200	1.1	820	0.96	560	0.80
25x30	10000	2.2	5600	1.8	3900	1.6	2700	1.5	1500	1.3	1000	1.1	680	0.92
25x35	12000	2.5	8200	2.2	5600	2.0	3300	1.8	1800	1.5	1500	1.4	1000	1.1
25x40	15000	2.9	10000	2.6	6800	2.3	-	-	-	-	1800	1.6	-	-
25x50	18000	3.3	12000	2.9	8200	2.7	5600	2.5	3300	2.2	2200	1.8	1500	1.5
30x25	10000	2.3	6800	2.0	4700	1.9	2700	1.6	1500	1.4	1200	1.3	820	1.0
30x30	12000	2.6	8200	2.3	5600	2.1	3300	1.8	2200	1.7	1500	1.5	1000	1.2
30x35	18000	3.3	12000	2.9	8200	2.9	4700	2.3	2700	2.0	1800	1.6	1200	1.4
30x40	22000	3.7	15000	3.3	10000	3.0	5600	2.5	3300	2.3	2200	1.9	1500	1.6
30x50	-	-	18000	3.8	12000	3.4	6800	2.9	4700	2.8	3300	2.3	2200	2.0
35x25	12000	2.7	8200	2.4	5600	2.2	3300	1.8	2200	1.8	1500	1.5	1000	1.3
35x30	18000	3.4	12000	3.0	8200	2.8	4700	2.4	2700	2.1	2200	1.9	1200	1.4
35x35	22000	3.9	15000	3.5	10000	3.1	5600	2.7	-	-	2700	2.2	1800	1.8
35x40	-	-	18000	3.9	12000	3.5	6800	3.0	4700	2.9	3300	2.4	2200	2.0
35x50	-	-	-	-	18000	4.5	10000	3.8	6800	3.6	4700	3.2	2700	2.3

WV(V)	160		180		200		250		315		350		400		450	
	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple
	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)	μF	(A)
22x25	180	0.65	180	0.65	150	0.60	100	0.45	56	0.34	56	0.37	39	0.32	56	0.30
22x30	270	0.83	220	0.75	220	0.76	150	0.58	82	0.43	82	0.47	56	0.39	68	0.31
22x35	330	0.94	270	0.86	270	0.87	180	0.65	120	0.53	100	0.53	68	0.45	100	0.45
22x40	390	1.1	390	1.1	330	0.99	220	0.75	150	0.61	120	0.60	82	0.51	120	0.55
22x50	560	1.3	470	1.2	470	1.2	330	0.96	180	0.71	180	0.78	120	0.64	150	0.60
25x25	270	0.82	220	0.75	220	0.76	150	0.58	82	0.42	68	0.43	56	0.40	82	0.35
25x30	390	1.0	330	0.96	270	0.87	220	0.73	120	0.53	100	0.54	68	0.46	100	0.45
25x35	470	1.2	390	1.1	390	1.1	270	0.83	150	0.62	120	0.61	100	0.57	120	0.55
25x40	560	1.3	470	1.2	470	1.3	330	0.95	-	-	180	0.77	120	0.63	150	0.60
25x50	820	1.7	680	1.5	560	1.4	470	1.2	270	0.89	220	0.89	150	0.75	220	0.80
30x25	390	1.1	330	1.0	270	0.92	220	0.77	120	0.56	100	0.57	82	0.53	120	0.55
30x30	560	1.3	470	1.2	390	1.1	270	0.88	180	0.71	150	0.72	100	0.61	150	0.60
30x35	680	1.5	560	1.4	560	1.4	390	1.1	220	0.80	180	.82	150	0.77	180	0.70
30x40	820	1.7	680	1.6	680	1.6	470	1.2	270	0.92	220	0.93	180	0.87	220	0.80
30x50	1000	2.0	1000	2.0	820	1.8	560	1.4	390	1.20	330	1.2	220	1.0	330	1.0
35x25	470	1.3	390	1.2	390	1.2	270	0.93	180	0.74	150	0.77	100	0.65		
35x30	680	1.6	560	1.5	560	1.5	390	1.2	220	0.84	220	0.97	150	0.83	220	0.80
35x35	820	1.8	820	1.8	680	1.7	470	1.3	330	1.1	270	1.1	180	0.93	270	0.90
35x40	1000	2.0	1000	2.1	820	1.9	560	1.5	390	1.2	330	1.3	220	1.1	330	1.00
35x50	1500	2.6	1200	2.4	1200	2.4	820	1.9	470	1.4	470	1.6	330	1.3	390	1.20

■ Ripple current: 85°C, 100Hz or 120Hz

The specific capacitance and case size are available on request.