

# CD11CX SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 1000 hours at 85°C
- 7mm L standard products
- VTR, video cameras, car radios, micro cassette tape recorder, etc.



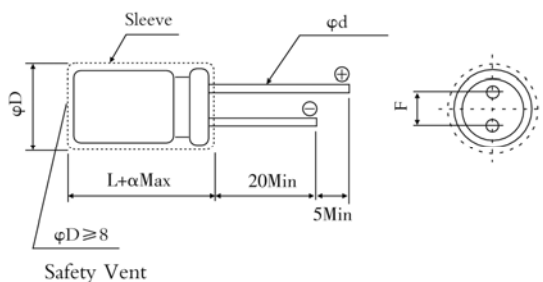
### SPECIFICATIONS

Item	Characteristics																														
Operating Temperature Range(°C)	-40~+85																														
Rated Voltage Range (V)	4~100																														
Nominal capacitance range(μF)	0.1~470																														
Capacitance Tolerance(20°C, 120Hz)	±20%																														
Leakage Current (μA)	$I \leq 0.01CV$ or 3 whichever is greater. (at 20°C, after 2 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>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> </tr> </tbody> </table>	Rated voltage (v)	4	6.3	10	16	25	35	50	63	100	tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.08										
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### DIMENSIONS

MM

### MULTIPLIER FOR RIPPLE CURRENT



#### Lead spacing and diameter

φD±0.5	4	5	6.3	8
F±0.5	1.5	2.0	2.5	3.5
φd±0.1	0.45			
a	0~+1.0			

#### Frequency coefficient

Rated voltage(v)	Freq(Hz)			
	50,60	120	1K	10K~100K
4~16	0.80	1	1.1	1.2
25~35	0.80	1	1.5	1.7
50~100	0.80	1	1.6	1.9

#### Temperature coefficient

Temperature(°C)	+70	+85
Coefficient	1.35	1.00

## ■ STANDARD RATINGS

WV(v)	4		6.3		10		16		25		35		50		63		100	
Cap ( $\mu$ F)	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple
	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)	$\phi$ DxL	(mA)
0.1	-	-	-	-	-	-	-	-	-	-	-	-	4x7	4	4x7	4	-	-
0.22	-	-	-	-	-	-	-	-	-	-	-	-	4x7	5	4x7	6	-	-
0.33	-	-	-	-	-	-	-	-	-	-	-	-	4x7	7	4x7	7	-	-
0.47	-	-	-	-	-	-	-	-	-	-	-	-	4x7	8	4x7	8	-	-
1	-	-	-	-	-	-	-	-	-	-	-	-	4x7	10	4x7	10	4x7	12
2.2	-	-	-	-	-	-	-	-	-	-	-	-	4x7	15	4x7	15	5x7	20
3.3	-	-	-	-	-	-	-	-	4x7	15	4x7	15	4x7	20	4x7	23	6.3x7	30
4.7	-	-	-	-	-	-	-	-	4x7	20	4x7	20	4x7	24	5x7	30	6.3x7	35
10	-	-	-	-	-	-	4x7	35	4x7	30	4x7	30	5x7	40	6.3x7	50	-	-
22	-	-	4x7	35	4x7	35	4x7	40	5x7	50	5x7	55	6.3x7	70	-	-	-	-
33	4x7	35	4x7	40	4x7	45	5x7	55	6.3x7	70	6.3x7	75	8x7	100	-	-	-	-
47	4x7	40	4x7	50	5x7	60	5x7	70	6.3x7	85	8x7	110	-	-	-	-	-	-
100	5x7	70	5x7	80	6.3x7	108	6.3x7	120	8x7	145	-	-	-	-	-	-	-	-
220	6.3x7	120	6.3x7	140	8x7	185	8x7	205	-	-	-	-	-	-	-	-	-	-
330	8x7	170	8x7	205	-	-	-	-	-	-	-	-	-	-	-	-	-	-
470	8x7	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

The specific capacitance and case size are available on request.