

# CD11H SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 105°C
- High ripple current and highly dependable product
- Downsized and suited for electronic ballast



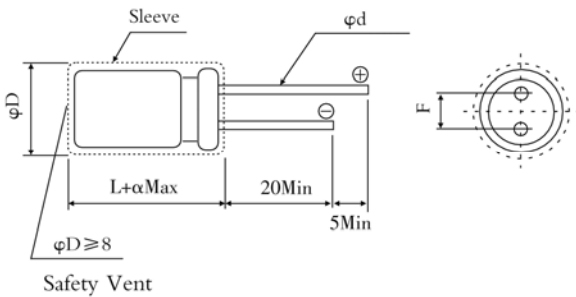
### SPECIFICATIONS

Item	Characteristics														
Operating Temperature Range(°C)	-40~+105														
Rated Voltage Range (V)	160~450														
Nominal capacitance range (μF)	1~330														
Capacitance Tolerance(20°C, 120Hz)	±20%														
Leakage Current (μA)	$CV \leq 1000, I \leq 0.1CV + 40\mu A$ (at 20°C, after 1 minute); $CV > 1000, I \leq 0.04CV + 100\mu A$ (at 20°C, after 1 minute) C: Nominal Capacitance (μF), V: Rated Voltage (v)														
Dissipation Factor(20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated voltage (v)</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tanδ</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </tbody> </table>	Rated voltage (v)	160	200	250	350	400	450	tanδ	0.20	0.20	0.20	0.24	0.24	0.24
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Leakage current	Not more than the specified value														
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Shelf Life (+105°C)	After leaving capacitors under no load for 1000hours, they meet the specified value for load life characteristics listed above. After test: Rated voltage to be applied for 30minutes, 24 to 48 hours before measurement.														

### DIMENSIONS

MM

### MULTIPLIER FOR RIPPLE CURRENT



#### Lead spacing and diameter

φD±0.5	6.3	8	10	12.5	16	18
F±0.5	2.5	3.5	5.0		7.5	
φd±0.1	0.5	0.6		0.8		
a	1.0		1.0 (L<16); 2.0 (L≥16)			

#### Frequency Coefficient

Freq(Hz)	50	120	500	1k	≥10K
Cap(μF)					
1~47	0.80	1.00	1.20	1.30	1.50
100~330	0.80	1.00	1.10	1.15	1.20

#### Temperature Coefficient

Temp.( °C)	+70	+85	+105
Factor	1.8	1.4	1.0

## ■ STANDARD RATINGS

WV(V)	160		200		250	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
1	-	-	-	-	6.3x11.5	13
2.2	-	-	-	-	6.3x11.5	23
3.3	-	-	6.3x11.5	26	6.3x11.5	35
					8x11.5	42
4.7	6.3x11.5	35	6.3x11.5	40	8x11.5	50
			8x11.5	50		
10	8x11.5	60	10x12.5	70	10x12.5	75
			10x16	88	10x16	88
22	10x16	110	10x20	125	10x20	130
	10x20	195			12.5x20	155
33	10x20	145	10x20	165	12.5x20	170
			12.5x20	190		
47	12.5x20	220	12.5x20	200	12.5x25	220
100	12.5x25	290	16x25	335	16x31.5	360
220	16x31.5	540	16x35.5	580	-	-
	16x35.5	580	18x35.5	620	-	-
330	18x35.5	700	-	-	-	-

WV(V)	350		400		450	
Cap(μF)	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)	ΦDxL(mm)	(mA)
1	6.3x11.5	16	6.3x11.5	15	6.3x11.5	15
					8x11.5	18
2.2	6.3x11.5	25	8x11.5	29	10x12.5	25
	8x11.5	31	10x12.5	34		
3.3	8x11.5	40	10x12.5	40	10x12.5	33
	10x12.5	45	10x16	45	10x16	41
4.7	10x12.5	50	10x16	52	10x16	42
			10x20	57	10x20	49
10	10x20	80	10x20	85	12.5x20	67
			12.5x20	96		
22	12.5x20	135	12.5x25	140	16x25	115
	12.5x25	150				
33	16x25	195	16x25	200	16x31.5	155
47	16x25	230	16x31.5	250	16x35.5	185
	18x31.5	250				
100	18x35.5	357	-	-	-	-
	18x40	400				

■ Ripple Current(mA rms) at 105°C,120Hz;

The specific capacitance and case size are available on request.

## ALUMINUM ELECTROLYTIC CAPACITORS

### TYPICAL CURVES

