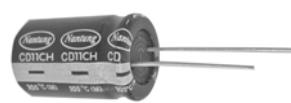


# CD11CH SERIES



## ALUMINUM ELECTROLYTIC CAPACITORS

- Load life of 2000 hours at 105°C
- 7mm Height



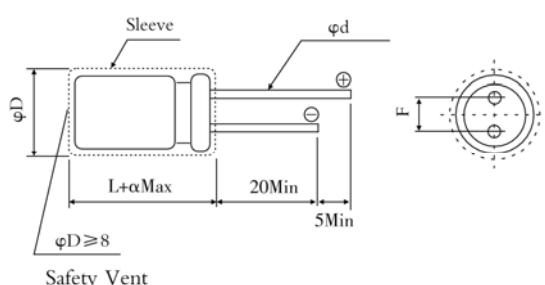
### ■SPECIFICATIONS

Item	Characteristics						
<b>Operating Temperature Range(°C)</b>	-55~+105						
<b>Rated Voltage Range (V)</b>	6.3~63						
<b>Nominal capacitance range (<math>\mu</math>F)</b>	0.1~220						
<b>Capacitance Tolerance(20°C, 120Hz)</b>	$\pm 20\%$						
<b>Leakage Current (<math>\mu</math>A)</b>	$I \leq 0.01CV$ or $3\mu A$ whichever is greater, (at 20°C, after 2 minutes) C: Nominal Capacitance ( $\mu$ F), V: Rated Voltage (v)						
<b>Dissipation Factor(20°C, 120Hz)</b>	Rated voltage (v)	6.3	10	16	16	25	35
	$\tan\delta$	0.22	0.19	0.16	0.14	0.14	0.12
<b>Temperature stability (120Hz)</b>	Rated Voltage (V)	6.3	10	16	25	35	50~63
	Impedance Ratio	Z-25°C/Z+20°C		3		2	
		Z-40°C/Z+20°C	8	5	4		3
<b>Load Life(+105°C)</b>	Time	2000hours					
	Leakage current	Initial specified value or less					
	Capacitance change	within $\pm 20\%$ of initial value					
	Dissipation	Not more than 200% of the specified value.					
<b>Shelf Life (+105°C)</b>	Time	1000hours					
	Leakage current	Initial specified value or less					
	Capacitance change	within $\pm 20\%$ of initial value					
	Dissipation	Not more than 200% of the specified value.					
	After test: Rated voltage to be applied for 60 minutes, 24 to 48 hours before measurement.						

### ■DIMENSIONS

MM

### ■ MULTIPLIER FOR RIPPLE CURRENT



**Lead spacing and diameter**

$\phi D \pm 0.5$	4	5	6.3	8
$F \pm 0.5$	1.5	2.0	2.5	3.5
$\phi d \pm 0.1$	0.45	0.45	0.45	0.5
a	0~+1.0			

### Frequency coefficient

Freq(Hz)\ Rated voltage(v)	50,60	120	1K	10K~100K
6.3~16	0.68	0.72	0.92	1.0
25~35	0.48	0.63	0.80	1.0
50~63	0.45	0.50	0.70	1.0

### Temperature coefficient

Temperature(°C)	+85	+105
Coefficient	1.35	1.00

# CD11CH SERIES



## ■ STANDARD RATINGS

WV(V)	6.3		10		16		25		35		50		63	
Cap(μF)	Size(mm)	Ripple												
	φDxL	(mA)												
0.1	-	-	-	-	-	-	-	-	-	-	4x7	6	4x7	8
0.22	-	-	-	-	-	-	-	-	-	-	4x7	8	4x7	10
0.33	-	-	-	-	-	-	-	-	-	-	4x7	10	4x7	13
0.47	-	-	-	-	-	-	-	-	-	-	4x7	12	4x7	16
1	-	-	-	-	-	-	-	-	-	-	4x7	16	4x7	18
2.2	-	-	-	-	-	-	-	-	-	-	4x7	25	4x7	19
3.3	-	-	-	-	-	-	4x7	21	4x7	23	4x7	28	4x7	29
4.7	-	-	-	-	-	-	4x7	25	4x7	25	5x7	48	5x7	52
10	-	-	-	-	4x7	39	5x7	47	5x7	48	6.3x7	75	6.3x7	80
22	4x7	42	5x7	49	5x7	54	6.3x7	87	6.3x7	90	8x7	80	-	-
33	5x7	52	5x7	60	6.3x7	83	6.3x7	90	-	-	-	-	-	-
47	5x7	64	6.3x7	95	6.3x7	95	-	-	-	-	-	-	-	-
100	6.3x7	96	-	-	-	-	-	-	-	-	-	-	-	-
220	8x7	98	-	-	-	-	-	-	-	-	-	-	-	-

■ Ripple Current: 105°C, 100KHz

The specific capacitance and case size are available on request.