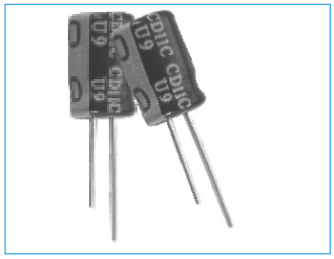
CD11C Series



- Superminiture,high CV value,7mm height,suited for use in electronic circuit of high density assembly of videocorder,remote controller.VCD etc
- Load life of 1000 hours at 85℃

CD11A
5mmL
CD71C ⇐ CD11C ⇒ CD81C
Non–polor
Wide temp.

Specifications

Item	Characteristics
Operating Temperature Range	–40℃ ~ +85℃
Rated Voltage Range	6.3V~63V
Nominal Capacitance Range	0.1 μ F~330 μ F
Capacitance Tolerance	M (± 20%) (20℃,120Hz)
Leakage Current	I ≤ 0.01$C_R U_R$ or 3(μ A),whichever is greater. C_R:Nominal capacitance (μ F) U_R:Rated voltage(V) (20℃, after 5 minutes)

Dissipation Factor (Max)

U_R (V)	6.3	10	16	25	35	50	63
tan δ	0.24	0.20	0.16	0.14	0.12	0.10	0.08

(20℃,120Hz)

Low Temperature Stability (Impedance Ratio)

U_R (V)	6.3	10~16	25~63
Z(–40℃) / Z(+20℃)	7	5	4

(120Hz)

Load Life

After 1000 hours' application of rated voltage with rated ripple current at 85℃, the capacitors shall meet the following requirement:

Capacitance change	Within ± 20% of the initial value .
Dissipation factor	Not more than 200% of the initial specified value.
Leakage current	Not more than the initial specified value.

Shelf Life

After storage for 500 hours at +85℃,the capacitors shall meet the requirement of load life above .

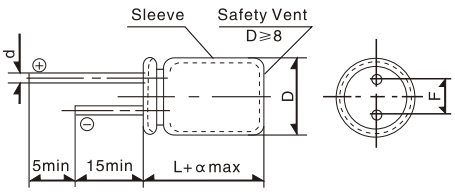
Rated Ripple Current & Frequency Multipliers

U_R (V) \ Freq.	50Hz	120Hz	1kHz	10kHz~
6.3~16	0.8	1.0	1.1	1.2
25~35	0.8	1.0	1.5	1.7
50~63	0.8	1.0	1.6	1.9

Rated Ripple Current & Temperature Multipliers

Temperature	+50℃	+70℃	+85℃
Multipliers	1.50	1.27	1.00

Dimensions



mm

D ± 0.5	4	5	6.3	8
L	7	7	7	7
F ± 0.5	1.5	2.0	2.5	3.5
d ± 0.05	0.45			0.5
α	10			1.5

CD11C Series

■ Nominal capacitance,rated voltage,rated ripple current and case size table

CR(V) / Item / CR(μF)	6.3		10		16		25		35		50		63	
	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~	D×L mm	I~
0.1											4×7	1	4×7	1
0.15											4×7	1.5	4×7	1.5
0.22											4×7	2.3	4×7	2.3
0.33											4×7	3.5	4×7	3.5
0.47											4×7	5.0	4×7	5.0
0.68											4×7	8	4×7	8
1.0									4×7	8	4×7	10	4×7	10
1.5									4×7	10	4×7	13	4×7	13
2.2									4×7	13	4×7	16	4×7	16
3.3							4×7	15	4×7	16	4×7	22	5×7	23
4.7					4×7	20	4×7	20	4×7	22	4×7	26	5×7	30
6.8					4×7	25	4×7	25	4×7	26	5×7	30	6.3×7	35
10					4×7	30	4×7	29	5×7	31	5×7	38	6.3×7	40
15			4×7	28	4×7	35	5×7	35	5×7	40	6.3×7	44		
22	4×7	35	4×7	35	4×7	40	5×7	49	6.3×7	52	8×7	60		
33	4×7	40	4×7	45	5×7	55	6.3×7	60	6.3×7	70	8×7	90		
47	5×7	50	5×7	60	6.3×7	68	6.3×7	80	8×7	95				
68	5×7	60	6.3×7	75	6.3×7	80	8×7	100						
100	6.3×7	80	6.3×7	90	8×7	100	8×7	125						
220	8×7	130	8×7	160	8×7	160								
330	8×7	190												

Rated ripple current (mA rms) (85℃,120Hz)