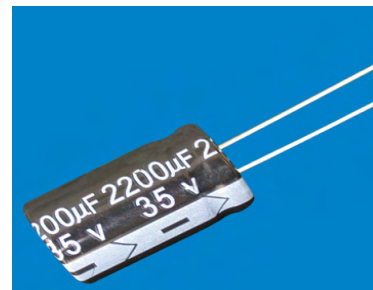
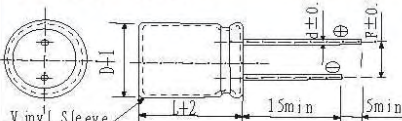


■CD11L(ML) SERIES

Low Leakage Current

- ▶ Low leakage current, high stable and reliable performance
- ▶ $D \geq 8\text{mm}$ equipped with pressure release device.
- ▶ Be used widely in DC or pulse circuit of colour TV sets, VCD, audio systems, telecommunications and computers.



Item	Characteristics																									
Size and its tolerance 	ØD	5	6	8	10	12	13	16	18																	
	F ± 0.5	2.0	2.5	3.5	5.0			7.5																		
	d ± 0.1	0.5			0.6			0.8																		
Operating Temp. Range	-40℃ ~ +85℃																									
Rated Working Voltage UR	6.3~100VDC																									
Capacitance Range CR	1.0~4700 μF(+20℃,100 or 120Hz)																									
Capacitance Tol. ΔC/CR	±20%,+30,-10 %(+20℃,100 or 120Hz)																									
Dissipation Factor tg δ	At +20℃,100 or 120Hz,for CR>1000 μF, tg δ add 0.02 per another 1000 μF.																									
	<table><tr><td>UR (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tg δ</td><td>0.24</td><td>0.20</td><td>0.20</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.09</td><td>0.08</td></tr></table>									UR (V)	6.3	10	16	25	35	50	63	100	tg δ	0.24	0.20	0.20	0.14	0.12	0.10	0.09
UR (V)	6.3	10	16	25	35	50	63	100																		
tg δ	0.24	0.20	0.20	0.14	0.12	0.10	0.09	0.08																		
Leakage Current IL	≤0.002·CR·UR or 1 μA(≥160VDC) whichever is greater At+20℃ after 2 minutes application of UR.																									
Load Life	At +85℃, after UR applied for 1000 hours.																									
	ΔC		± 20% of initial measured value																							
	DF(tg δ)		≤ 150% of initial specified value																							
	LC(IL)		≤ initial specified value																							
Shelf Life	At+85℃, after shelf for 500 hours(without voltage applied) , then restored for 16 hours at room temp.																									
	ΔC		± 20% of initial measured value																							
	DF(tg δ)		≤ 150% of initial specified value																							
	LC(IL)		≤ 200% of initial specified value																							

Case Size of Standard Products

U_R (V) C_R (μF)	6.3	10	16	25	35	50	63	100
1.0						5×11		5×11
2.2						5×11		5×11
3.3						5×11		5×11
4.7						5×11	5×11	6×11
10			5×11	5×11	5×11	5×11	5×11	6×12
22		5×11	5×11	5×11	5×11	6×11	6×12	8×12
33		5×11	5×11	5×11	6×11	6×12	8×12	10×13
47	5×11	5×11	5×11	6×11	6×12	8×11	8×12	10×17
100	5×11	6×11	6×12	6×12	8×12	10×13	10×15	12×22
220	6×12	6×12	8×12	10×13	8×14	10×20	12×22	16×27
330	6×12	8×12	10×13	10×15	10×17	12×22	12×26	16×31
470	8×12	10×13	10×15	10×17	12×22	13×26	16×27	18×36
1000	10×13	10×17	12×22	13×22	13×26	16×31	16×35	
2200	12×22	13×22	13×26	16×27	16×35	18×41		
3300	13×22	13×26	16×27	16×35				
4700	13×26	16×27	16×31					