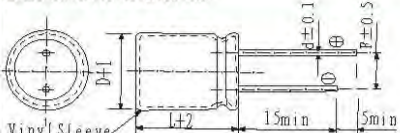


■ CD117(SH) SERIES

High Precision Stability

- ▶ Extremely low dissipation factor, high stability.
- ▶ used in TV gathering focus, oscillation frequency and timer circuits.

Item	Characteristics																		
Size and its tolerance 	ØD	6	8	10	13	16	18												
	F ± 0.5	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 U_R	10V ~ 50V _{DC}																		
Capacitance Range C_R	0.47 μF ~ 470 μF																		
Capacitance Tol. $\Delta C/C_R$	± 10%, (100Hz, 20℃)																		
Dissipation Factor tg δ	+20℃, 100 or 120Hz.	<table><tr><td>U_R (V)</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>tg δ</td><td>0.10</td><td>0.08</td><td>0.08</td><td>0.07</td><td>0.07</td></tr></table>						U_R (V)	10	16	25	35	50	tg δ	0.10	0.08	0.08	0.07	0.07
		U_R (V)	10	16	25	35	50												
tg δ	0.10	0.08	0.08	0.07	0.07														
Leakage Current I_L	≤ 0.01· C_R · U_R or 3 μA whichever is greater At +20℃, after 2 minutes application of U_R																		
Load Life	At +85℃ after U_R applied for 1000 hours .																		
	ΔC		± 10% of initial measured value																
	DF(tg δ)		≤ 150% of initial specified value																
	LC(I_L)		≤ initial specified value																
Shelf Life	At +85℃, after shelf for 500 hours (without voltage applied) , then restored for 16 hours at room temp.																		
	ΔC		± 10% of initial measured value																
	DF(tg δ)		≤ 150% of initial specified value																
	LC(I_L)		≤ 200% of initial specified value																

Case Size of Standard Products

$U_R(V)C_R(\mu F)$	10	16	25	35	50
0.47					6×12
1.0				6×12	6×12
2.2			6×12	6×12	6×12
3.3		6×12	6×12	6×12	6×12
4.7	6×12	6×12	6×12	8×12	8×12
10	6×12	8×12	10×13	10×13	10×16
22	8×12	10×13	10×16	10×20	10×20
33	10×13	10×16	10×20	13×20	13×20
47	10×16	10×20	13×20	13×25	13×25
100	10×20	13×20	13×25	16×25	16×25
220	13×20	13×25	16×25	16×32	16×36
330	16×25	16×25	16×32		
470	16×36	16×36			