

CAPACITOR

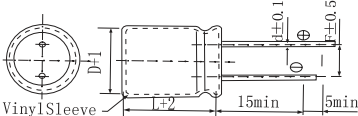
Aluminum Electrolytic Capacitor Series

ETC10 - CD11T (MT) Series

Long Life

Better stable and reliable performance, long life.
 $D \geq 8\text{mm}$ equipped with pressure release device.
 Be used in DC or pulse circuit of colour TV sets, 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℃ (≦100V _{DC}) -25℃ ~ +85℃ (160-400V _{DC})										
Rated Working Voltage	6.3 ~ 400V _{DC}										
Capacitance Range	0.1 ~ 4700 μ F(+20℃, 100 or 120Hz)										
Capacitance Tol.	± 20%, ^{+30%} ₋₁₀ %(+20℃, 100 or 120Hz)										
Dissipation Factor tg δ	At +20℃, 100 or 120Hz, for C _R >1000 μ F, tg δ add 0.02 per another 1000 μ F.										
	U _R (V)	10	16	25	35	50	63	100	160	250	400
	tgδ	0.22	0.20	0.15	0.12	0.10	0.10	0.10	0.16	0.18	0.20
Leakage Current I _L	≦0.01·C _R ·U _R or 3 μ A(U _R ≦100V _{DC})whichever is greater ≦0.03·C _R ·U _R + 10 μ A(U _R ≧160V _{DC}) At +20℃, measured after 2 minutes application of U _R .										
Load Life	At+85℃ after U _R										
	ΔC	± 20% (^{+20%} _{-30%} 6.3V) of initial measured value									
	DF(tg δ)	≦200% of initial specified value									
	LC(I _L)	≦ initial specified value									
Shelf Life	At 85℃, after shelf for 1000 hours(without voltage applied) ,then restored for 16 hours at room temp.										
	ΔC	≦ ± 20% of initial measured value									
	DF(tg δ)	≦200% of initial specified value									
	LC(I _L)	≦200% of initial specified value									

Case Size of Standard Products

C_R U_R (V) (μF)	10	16	25	35	50	63	100	160	250	400
0.1~0.68					5×11		5×11			
1.0, 1.5					5×11		5×11	6×12	6×12	8×12
2.2					5×11		5×11	6×12	8×12	10×13
3.3					5×11		5×11	8×12	8×12	10×15
4.7			5×11		5×11	5×11	6×11	8×12	10×13	10×17
6.8			5×11		5×11	5×11	6×11	10×13	10×15	10×20
10		5×11	5×11	5×11	5×11	5×11	6×12	10×13	10×15	12×22
15		5×11	5×11	5×11	6×11	6×11	8×12	10×15	10×20	13×26
22	5×11	5×11	5×11	5×11	6×11	6×12	8×12	10×20	12×22	16×27
33	5×11	5×11	5×11	6×11	6×12	8×12	10×13	12×22	13×26	16×31
47	5×11	5×11	6×11	6×12	8×11	8×12	10×17	13×22	16×27	16×36
68	5×11	6×11	6×12	6×12	8×12	10×13	10×20	13×26	16×31	18×41
100	6×11	6×12	6×12	8×12	10×13	10×15	12×22	16×27	16×35	
150	6×12	6×12	8×12	10×13	10×17	10×20	13×26	16×35		
220	6×12	8×12	10×13	10×14	10×20	12×22	16×27	18×36		
330	8×12	10×13	10×15	10×17	12×22	13×26	16×31			
470	10×13	10×15	10×17	12×22	13×26	16×27	18×36			
680	10×13	10×17	12×22	13×22	16×27	16×27				
1000	10×17	12×22	13×22	13×26	16×31	16×35				
1500	12×22	13×22	13×26	16×27	18×36					
2200	13×22	13×26	16×27	16×35	18×41					
3300	13×26	16×27	16×35							
4700	16×27	16×31								
6800	16×35									

Note: We can also provide the capacitors according to the customer's request.