



TTA

Aluminum Electrolytic Capacitors

+85°C General Purpose, Axial Lead



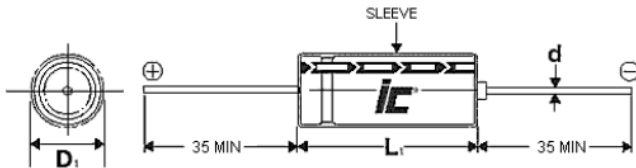
FEATURES

Axial Lead - High Voltage

APPLICATIONS

Filtering - Bypass - Coupling - Blocking

Operating Temperature Range		-40°C to +85°C (10 to 350 WVDC) -25°C to +85°C (450 WVDC)													
Capacitance Tolerance		+20% at 120 Hz, 20°C													
Surge voltage	WVDC	10	16	25	35	50	63	100	160	200	250	350	450		
	SVDC	13	20	32	44	63	79	125	200	250	300	400	500		
Dissipation Factor	WVDC	10	16	25	35	50	63	100	160	200	250	350	450		
	Tan δ	.24	.20	.16	.14	.12	.1	.1	.2	.2	.2	.25	.25		
Add .02 for every 1000uF above 1000uF															
Leakage current		10 to 100 WVDC						160 to 450 WVDC							
		1 Minutes .03CV or 4uA, Whichever is greater			2 Minutes .01CV or 3uA, Whichever is greater			1 Minute CV≤1000 .04CV+100uA			1 Minute CV>1000 .1CV+40uA				
Low temperature stability	WVDC	10	16	25	35	50	63	100	160	200	250	350	450		
	-25°C to +20°C	4	3	2	2	2	2	2	4	4	4	4	6		
Impedance ratio (120 Hz)	WVDC	10	16	25	35	50	63	100	160	200	250	350	450		
	-40°C to +20°C	10	8	5	4	3	3	3	15	15	15	10	-		
Load Life		2000 hours at 85°C with rated WVDC and ripple current applied													
		Capacitance change		≤20% of initial measured value											
		Dissipation factor		≤200% of maximum specified value											
Shelf Life		1000 hours at 85°C with no voltage applied													
		Capacitance change		≤20% of initial measured value											
		Dissipation factor		≤200% of maximum specified value											
Ripple Current Multipliers		Capacitance		Frequency (Hz)						Temperature (°C)					
		uF		50	120	400	1k	10k	50k	+85	+70	+60	+30		
		C≤10		.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8		
		10<C≤100		.8	1.0	1.23	1.36	1.48	1.53	1.0	1.3	1.5	1.8		
		100<C≤1000		.8	1.0	1.16	1.25	1.35	1.38	1.0	1.3	1.5	1.8		
C>1000		.8	1.0	1.11	1.17	1.25	1.28	1.0	1.3	1.5	1.8				



D	5	6.3	8	10	12.5	16	18	22	25
d	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	0.8
B	0.5	0.5	0.5	0.5	0.8	0.5	0.5	1.0	1.0

D ≤ 10mm, L₁ = L + 1.5mm Max.
D > 10mm, L₁ = L + 2mm Max.
D₁ = D + B Max.