

TLS

Aluminum Electrolytic Capacitors

+85°C Low Leakage, Axial Lead



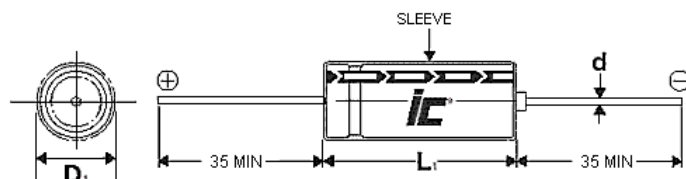
FEATURES

Small size - High voltage - General purpose

APPLICATIONS

Inverters – DC link – AC/DC motor controls – Solar inverters

Operating Temperature Range		-40°C to +85°C											
Capacitance Tolerance		+20% at 120 Hz, 20°C											
Surge Voltage	WVDC	10	16	25	35	50							
	SVDC	13	20	32	44	63							
Dissipation Factor	WVDC	10	16	25	35	50							
	Tan δ	.2	.16	.14	.12	.1							
Leakage Current		2 Minutes											
		.002CV or 0.4uA, Whichever is greater											
Low Temperature Stability Impedance Ratio (120 Hz)	WVDC	10	16	25	35	50							
	-25°C to +20°C	3	2	2	2	2							
	-40°C to +20°C	8	6	4	3	3							
Load Life		2000 hours at 105°C with rated WVDC and ripple current applied											
		Capacitance Change				≤20% of initial measured value							
		Dissipation Factor				≤150% of maximum specified value							
		Leakage Current				≥100% of maximum specified value							
Shelf Life		1000 hours at 105°C with no voltage applied											
		Capacitance Change				≤20% initial measured value							
		Dissipation Factor				≤200% of maximum specified value							
		Leakage Current				≥100% 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



D	5	6.3	8
d	0.5	0.5	0.6
B	0.5	0.5	0.5

$L_1 = L + 1.0\text{mm Max.}$ mm
 $D_1 = D + B \text{ Max.}$

ILLINOIS CAPACITOR

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