



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
 $D_1 = D + B \text{ Max.}$

