



Aluminum Electrolytic Capacitors **NA** Series

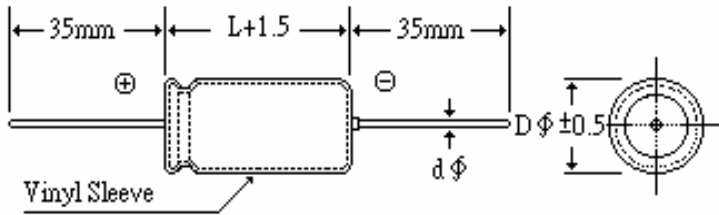
Features

- Life 1000 hours at 85°C
- Standard Axial series with Non-polarized

Specification

Items	Performance																		
Capacitance Tolerance	±20 % (at 120Hz, 25 °C)																		
Rated Voltage Range	50 to 100 VDC																		
Capacitance Range	0.47 to 470 uF																		
Operating Temperature Range	-40 to + 85°C																		
Leakage Current (at 25°C)	I ≤ 0.03 CV or 4 (uA), whichever is greater.																		
	After 5 minutes application of working voltage. I= Leakage current (uA), C= Rated capacitance (uF), V= Rated voltage (V)																		
Dissipation Factor (Tan δ at 120Hz, 25°C)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black;">Rate Voltage</td> <td style="border: 1px solid black; text-align: center;">50</td> <td style="border: 1px solid black; text-align: center;">100</td> </tr> <tr> <td style="border: 1px solid black;">Tan δ (max)</td> <td style="border: 1px solid black; text-align: center;">0.15</td> <td style="border: 1px solid black; text-align: center;">0.12</td> </tr> </table>	Rate Voltage	50	100	Tan δ (max)	0.15	0.12												
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Low Temperature characteristics (at 120Hz)	Impedance ration max.																		
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Load Life	After 1000 hours application of W.V. at 85°C. the capacitor shall meet the followin limits. Capacitance change : ≤ ±25% of initial value Dissipation factor : ≤ 200% of initial specified value Leakage Current : ≤ Initial specified value																		
Shelf Life	After storage for 500 hours at 85°C, with no voltage applied and being stabilixed at + 25°C, Capacitor shall meet the limit specifed in load life.																		
Ripple Current & Frequency Multipliers	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; text-align: center;">Freq.(Hz)</td> <td style="border: 1px solid black; text-align: center;">60 (50)</td> <td style="border: 1px solid black; text-align: center;">120</td> <td style="border: 1px solid black; text-align: center;">1K</td> <td style="border: 1px solid black; text-align: center;">10K</td> <td style="border: 1px solid black; text-align: center;">100K</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">Cap.(uF)</td> <td style="border: 1px solid black; text-align: center;">Under 10</td> <td style="border: 1px solid black; text-align: center;">0.60</td> <td style="border: 1px solid black; text-align: center;">0.90</td> <td style="border: 1px solid black; text-align: center;">1.00</td> <td style="border: 1px solid black; text-align: center;">1.10</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">Cap.(uF)</td> <td style="border: 1px solid black; text-align: center;">10 to 470</td> <td style="border: 1px solid black; text-align: center;">0.65</td> <td style="border: 1px solid black; text-align: center;">0.90</td> <td style="border: 1px solid black; text-align: center;">1.00</td> <td style="border: 1px solid black; text-align: center;">1.00</td> </tr> </table>	Freq.(Hz)	60 (50)	120	1K	10K	100K	Cap.(uF)	Under 10	0.60	0.90	1.00	1.10	Cap.(uF)	10 to 470	0.65	0.90	1.00	1.00
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Standards	Satisfied Characteristic W of JIS C																		

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D	6.3 - 13	16 - 18
d	0.6	0.8

Dimension : D x L (mm)

Ripple Current : mA/rms at 120Hz,85

DIMENSION & PERMISSIBLE RIPPLE CURRENT

VDC uF	50V		100V	
	DxL	mA	DxL	mA
0.47	6x16	6	8x19	8
1	6x16	10	8x19	15
2.2	6x16	18	8x19	26
3.3	6x16	20	8x19	38
4.7	6x16	30	8x19	48
10	8x17	58	10x19	88
15	8x17	68	10x27	100
22	8x17	95	13x27	140
33	10x21	110	13x27	180
47	10x21	170	13x27	240
68	13x21	230	16x40	360
100	13x26	260	18x40	440
150	16x26	400		
220	16x40	500		
330	18x40	700		
470	18x40	920		