

NRH ALUMINUM ELECTROLYTIC CAPACITORS **NA**

SERIES

HIGH VOLTAGE TYPE

FEATURES

Low impedance characteristics.

Case sizes are smaller than conventional general-purpose capacitors, with very high performance.

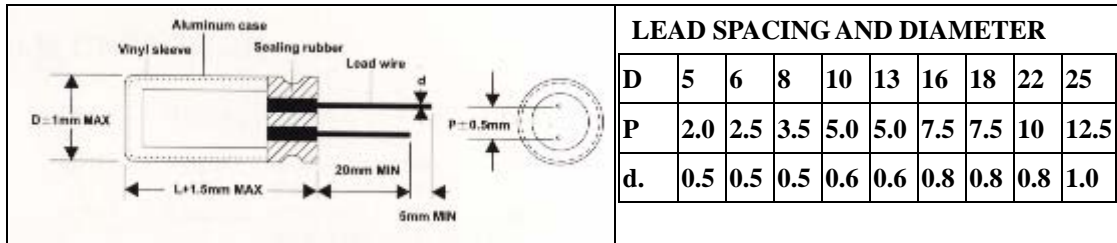
Capacitor can be $\pm 20\%$ or $\pm 10\%$ tolerance.

SPECIFICATION

Item	Characteristic						
Operating Temperature Range	-25°C ~ +85°C						
Capacitance Tolerance	$\pm 20\%$ (at 20°C, 120Hz)						
Leakage Current	I=0.03CV + 15 (uA)(CV \leq 1000), I=0.02CV + 30(uA)(CV>1000) (After 5 minutes applying the DC rated DC working voltage at 20°C)						
Dissipation Factor (Tan δ) (At 20°C, 120Hz)	Rated Voltage(V)	100	160	200	250	350	450
	Tan δ	0.08	0.15	0.15	0.20	0.20	0.24
For capacitors whose capacitance exceeds 1, 000 μ F, the specification of tan δ is increased by 0.02 for every addition of 1, 000 μ F.							
Surge Voltage	Rated Voltage (V)	100	160	200	250	350	450
	Surge voltage (V)	125	200	250	300	400	500
Life Test	1000 hours at 85°C (Returned at 20°C)	Capacitance change	$\pm 25\%$ of initial measured value.				
		DF (tan δ)	Less than 200% of the initial specified value				
		DC leakage current	Less than initial specified value.				
Shelf Life Test	1000 hours at 85°C no voltage applied (returned to 20°C)	Capacitance change	$\pm 25\%$ of the initial measured value.				
		DF (tan δ)	Less than 200% of the initial specified value.				
		DC leakage current	Less than 200% of the initial specified value.				

DIMENSIONS

INTERNAL STRUCTURE



Rated Capacity, Rated Voltage & Case Size corresponding Sheet

WV	100	160	200	250	300	350	400
0.1	5x11	5x11		6x11		8x11	8x11
0.15	5x11	5x11		6x11		8x11	8x11
0.22	5x11	5x11		6x11		8x11	8x11
0.33	5x11	5x11		6x11		8x11	8x11
0.47	5x11	5x11		6x11	6x11	8x11	8x11
0.68	5x11	5x11		6x11	6x11	8x11	8x11
1	5x11	5x11	6x11	6x11	6x11	8x11	8x11
1.5	5x11	5x11	6x11	6x11	6x11	8x11	8x11
2.2	5x11	6x11	6x11	6x11	8x11	8x11	8x16
3.3	5x11	6x11	8x11	8x11	8x11	8x16	8x16
4.7	5x11	8x11	8x11	8x16	8x16	8x16	10x1
6.8	5x11	8x11	8x16	8x16	10x16	10x16	10x2
10	6x11	8x16	8x16	10x16	10x16	10x20	13x2
15	8x11	10x16	10x16	10x20	13x20	13x20	13x2
22	8x11	10x16	10x20	13x20	13x20	13x25	13x2
33	8x16	13x20	13x20	13x20	13x25	16x25	16x2
47	10x16	13x20	13x25	16x25	16x25	16x30	16x3
68	10x16	13x25	16x25	16x30	16x35	18x35	18x4
100	13x20	16x25	16x30	18x35	18x35	22x40	22x4
150	13x20	16x35	18x35				
220	13x25	18x40	22x40				
330	16x25	22x40					
470	16x35						

The specifications and drawings are subjected to change without prior notice.

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