

小型品
MINIATURE SIZE

ALUMINUM ELECTROLYTIC CAPACITOR

無極性

NON POLARITY

NK SERIES

・適用於極性反轉立路及須急遽施加逆向電壓之回路。

・ Suitable for using in polarity reversal circuits, such as signal coupling circuits and speakers, etc.



SPECIFICATION

Item	Characteristic																																									
使用溫度範圍 Operation Temperature Range	-40--85°C																																									
額定電壓 Rated Working Voltage	6.3-100 VDC																																									
容量容差 Capacitance Tolerance	±20%(M)																																									
洩漏電流 Leakage Current	I ≤ 0.05 CV or 10 μA (e: D×L ≤ 6.3×7) Whichever is greater after 2 minutes					I ≤ 0.04 CV - 4 μA (e: D×L ≥ 6×11) After 5 minutes																																				
	<table border="1"> <tr> <td>I: Leakage Current (μA)</td> <td colspan="10"></td> </tr> <tr> <td>C: Rated Capacitance (μF)</td> <td colspan="10"></td> </tr> <tr> <td>V: Working Voltage (V)</td> <td colspan="10"></td> </tr> </table>										I: Leakage Current (μA)											C: Rated Capacitance (μF)											V: Working Voltage (V)									
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浪湧電壓 Surge Voltage	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>S.V.</td> <td>0</td> <td>1.3</td> <td>2.0</td> <td>3.0</td> <td>4.4</td> <td>6.0</td> <td>7.9</td> <td>12.5</td> </tr> </table>										W.V.	6.3	10	16	25	35	50	63	100	S.V.	0	1.3	2.0	3.0	4.4	6.0	7.9	12.5														
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S.V.	0	1.3	2.0	3.0	4.4	6.0	7.9	12.5																																		
散逸因素 Dissipation Factor	Add 0.22 per 1000 μF for more than 1000 μF																																									
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低溫特性 Low Temperature Stability	Impedance ratio at 1200 Hz																																									
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After 2000 hours (L=7mm, 1000 hours) application of WV at -85°C the capacitor shall meet the following limits. The polarity needs to exchange every 250 hours.																																										
最低壽命性 Load Life	Capacitance Change					≤ ±20% of initial value																																				
	Dissipation Factor					≤ 150% of initial specified value																																				
	Leakage current					≤ initial specified value																																				
貯置壽命 Shelf Life	At -85°C no voltage applied or after 500 hours the capacitor shall meet the following limits.																																									
	Capacitance Change					≤ ±20% of initial value																																				
	Dissipation Factor					≤ 200% of initial specified value																																				
	Leakage current					≤ 200% of initial specified value																																				

無極性

CASE SIZE OF RADIAL TYPE

D	4	5	6.3	8	10	16	19	25	
L	=7			=1					
F	1.5	2.0	2.5	2.0	2.5	3.5	5.0	7.5	
d	0.45			0.5			0.6		0.8



ALUMINUM ELECTROLYTIC CAPACITOR

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NK SERIES

CASE SIZE & MAX RIPPLE CURRENT

無極性

Case size : DxL (mm)
Max ripple current : mA (rms)
(R.C.) : 35°C 120Hz

* NKR *

μF	WV ITEM	6.3		10		16	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
4.7						4x7	17
10				4x7	23	5x7	28
22		5x7	35	5x7	38	6.3x7	47
33		5x7	40	5x11	65	6.3x11	50
47		5x11	70	6.3x7	65	6.3x7	60
		6.3x7	80	6.3x7	65	8x11	110
		6.3x11	100	6.3x11	110	8x11	130
100		8x11	160	8x11	180	10x16	230
220		10x13	260	10x16	310	10x21	360
330		10x16	350	10x21	410	10x21	460
470		10x21	470	13x21	530	13x26	630
1000		13x26	770	16x32	960	16x32	1040
2200		16x32	1250	16x32	1410		

μF	WV ITEM	25		35		50	
		DxL	R.C.	DxL	R.C.	DxL	R.C.
0.1						4x7	3
0.22						4x7	4
0.33						4x7	5
0.47						4x7	6
1						5x11	13
						4x7	9
2.2				4x7	12	5x7	10
						5x11	29
3.3		4x7	14	5x7	17	5x7	19
						6.3x11	40
4.7		5x7	10	5x7	20	6.3x7	26
		5x11	31	5x11	38	6.3x11	45
10		6.3x7	32	6.3x7	34		
		6.3x11	55	6.3x11	65	8x11	80
22		6.3x7	47				
		8x7	36	8x11	110	10x13	130
33		8x11	120	10x13	140	10x16	170
47		8x11	150	10x16	190	10x21	250
100		10x21	230	13x21	310	13x26	380
220		13x21	410	13x26	510	16x32	640
330		16x25	570	16x25	640	16x32	810
470		16x32	790	16x32	850		

μF	WV ITEM	6.3		100	
		DxL	R.C.	DxL	R.C.
0.47				5x11	13
1				5x11	19
2.2		5x11	20	6.3x11	33
3.3		6.3x11	40	8x11	43
4.7		6.3x11	48	8x11	55
10		8x11	80	10x10	95
22		10x16	140	13x21	150
33		10x21	190	16x26	220
47		13x21	240	16x25	250
100		16x25	380	16x32	430
220		16x32	640		