


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

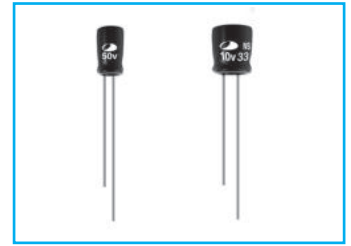




NS Non-Polarized, Height 7mmL Series

- Non-polarized series with 7mmL height
- Load life of 2000 hours at 85°C
- Complied to the RoHS directive



 Non-polarized Solvent Proof

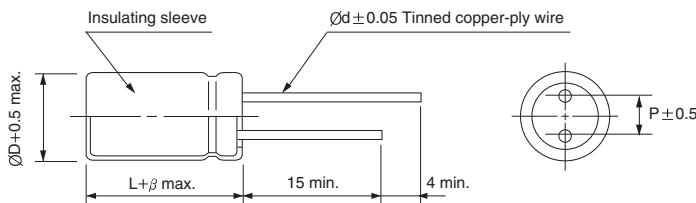




 Non-polar

Item	Characteristics																		
Operating temperature range	-40 ~ +85°C																		
Leakage current max.	$I = 0.05CV$ or $10\mu A$ whichever is greater (after 2 minutes)																		
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C																		
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>40</td> <td>50</td> <td>63</td> </tr> <tr> <td>tanδ</td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.16</td> <td>0.15</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	WV	6.3	10	16	25	35	40	50	63	tan δ	0.24	0.20	0.17	0.16	0.15	0.14	0.12	0.10
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tan δ	0.24	0.20	0.17	0.16	0.15	0.14	0.12	0.10											
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16~25</td> <td>35~63</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> </tr> </table>	WV	6.3	10	16~25	35~63	Z-25°C/Z+20°C	4	3	2	2	Z-40°C/Z+20°C	8	6	4	4			
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	Z-25°C/Z+20°C	4	3	2	2														
Z-40°C/Z+20°C	8	6	4	4															
Load life (after application of the rated voltage for 2000 hours at 85°C)	Leakage current	Less than specified value																	
	Capacitance change	Within $\pm 20\%$ of initial value																	
	tan δ	Less than 200% of specified value																	
	Test method	Polarity reverse each 250 hours																	
Shelf life (at 85°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4																		

DRAWING

Unit : mm



ØD	4	5	6.3
P	1.5	2.0	2.5
Ød	0.45	0.5	0.5
β	1.0	1.5	

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	6.3	10	16	25	35	40	50	63
1.0							4×7	13
1.5							4×7	16
2.2							4×7	19
3.3				4×7	20	4×7	21	4×7
4.7			4×7	23	4×7	24	5×7	29
6.8		4×7	26	5×7	32	5×7	33	6.3×7
10		4×7	31	5×7	39	6.3×7	47	6.3×7
15	4×7	35	5×7	44	6.3×7	55		
22	5×7	49	6.3×7	62	6.3×7	67		
33	6.3×7	69	6.3×7	76				
47	6.3×7	83						

↑ ↑
 Ripple current (mA rms) at 85°C, 120Hz
 Case size ØD × L (mm)

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	50Hz	120Hz	1kHz	10kHz \leq
Coefficient	0.75	1.00	1.55	2.00