

SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

JC Chip type with 6mm height
Series



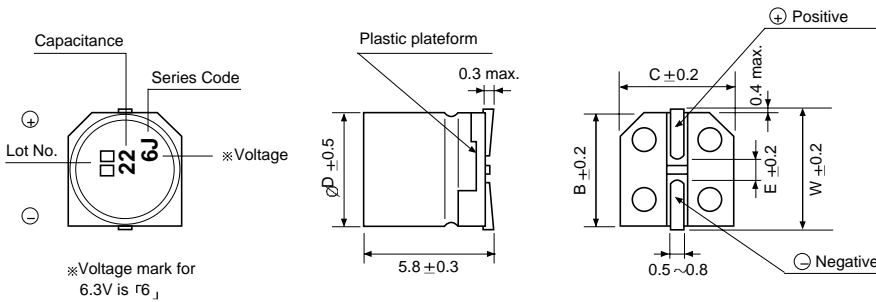
- Chip type with load life 2000 hours at 105°C
- Chip type with 6mm height
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape



Item	Characteristics																								
Operating temperature range	-55 ~ +105°C																								
Leakage current max.	$I = 0.01CV$ or $3\mu A$ 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>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>$\tan \delta$</td> <td>0.37</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> </table>	WV	4	6.3	10	16	25	35	50	$\tan \delta$	0.37	0.28	0.24	0.20	0.16	0.13	0.12								
	WV	4	6.3	10	16	25	35	50																	
$\tan \delta$	0.37	0.28	0.24	0.20	0.16	0.13	0.12																		
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>4</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>6</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>12</td> <td>8</td> <td>5</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	WV	4	6.3	10	16	25	35	50	Z-25°C/Z+20°C	6	3	3	2	2	2	2	Z-40°C/Z+20°C	12	8	5	4	3	3	3
	WV	4	6.3	10	16	25	35	50																	
	Z-25°C/Z+20°C	6	3	3	2	2	2	2																	
Z-40°C/Z+20°C	12	8	5	4	3	3	3																		
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current	Less than specified value																							
	Capacitance change	Within $\pm 25\%$ of initial value																							
	$\tan \delta$	Less than 200% of specified value																							
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and $\tan \delta$ are same as load life value.																								
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 30 seconds.																								
	Leakage current	Less than specified value																							
	Capacitance change	Within $\pm 10\%$ of initial value																							
	$\tan \delta$	Less than specified value																							

DRAWING

Unit : mm



∅D	W	B	C	E
4	4.8	4.3	4.3	1.0
5	6.0	5.3	5.3	1.4
6.3	7.1	6.6	6.6	2.2

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	4	6.3	10	16	25	35	50
0.1							4 × 5.8 1.0
0.22							4 × 5.8 2.6
0.33							4 × 5.8 3.2
0.47							4 × 5.8 3.8
1.0							4 × 5.8 6.2
2.2							4 × 5.8 11
3.3							4 × 5.8 14
4.7					4 × 5.8 13	4 × 5.8 15	5 × 5.8 19
10				4 × 5.8 18	5 × 5.8 23	5 × 5.8 25	6.3 × 5.8 30
22	4 × 5.8 22	4 × 5.8 22	5 × 5.8 27	5 × 5.8 30	6.3 × 5.8 38	6.3 × 5.8 42	
33	5 × 5.8 30	5 × 5.8 30	5 × 5.8 35	6.3 × 5.8 40	6.3 × 5.8 48		
47	5 × 5.8 36	5 × 5.8 36	6.3 × 5.8 46	6.3 × 5.8 50			
100	6.3 × 5.8 60	6.3 × 5.8 60	6.3 × 5.8 60				

← Ripple current (mA rms) at 105°C, 120Hz
 — Case size ∅D × L(mm)