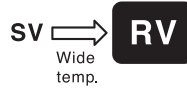


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



## RV Low Profile, Wide Temperature Range Series

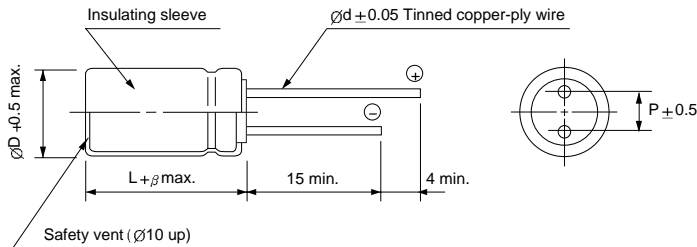
- Low profile case size
- Wide operating temperature range of -55 ~ +105°C



Item	Characteristics															
Operating temperature range	-55 ~ +105°C															
Leakage current max.	I = 0.01CV or 3µA whichever is greater (after 2 minutes) I = 0.03CV or 4µA whichever is greater (after 1 minute)															
Capacitance tolerance	±20% at 120Hz, 20°C															
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000µF : tan δ increases by 0.03 for each 1000µF from below value.															
	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tan δ</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </table>	WV	6.3	10	16	25	35	50	tan δ	0.26	0.22	0.18	0.16	0.14	0.12	
WV	6.3	10	16	25	35	50										
tan δ	0.26	0.22	0.18	0.16	0.14	0.12										
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25 ~ 50</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>3</td> </tr> </table>	WV	6.3	10	16	25 ~ 50	Z-25°C/Z+20°C	4	3	2	2	Z-40°C/Z+20°C	8	6	4	3
	WV	6.3	10	16	25 ~ 50											
	Z-25°C/Z+20°C	4	3	2	2											
Z-40°C/Z+20°C	8	6	4	3												
Load life (after application of the rated voltage for 1000 hours at 105°C)	<table border="1"> <tr> <td>Leakage current</td> <td>Less than specified value</td> </tr> <tr> <td>Capacitance change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>tan δ</td> <td>Less than 200% of specified value</td> </tr> </table>	Leakage current	Less than specified value	Capacitance change	Within ±20% of initial value	tan δ	Less than 200% of specified value									
Leakage current	Less than specified value															
Capacitance change	Within ±20% of initial value															
tan δ	Less than 200% of specified value															
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value.															

### DRAWING

Unit : mm



ØD	6.3	8	10	12.5	16	18
P	2.5	3.5	5.0	5.0	7.5	7.5
Ød	0.5	0.6	0.6	0.6	0.8	0.8
β	1.0		1.5			

### DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	6.3	10	16	25	35	50
22					6.3 × 9	57
33				6.3 × 9	60	81
47			6.3 × 9	68	72	97
100	6.3 × 9	82	6.3 × 9	89	115	179
220	8 × 9	142	8 × 9	155	194	344
330	8 × 9	174	10 × 9	215	266	471
470	10 × 9	236	10 × 12.5	287	410	655
1000	12.5 × 16	498	12.5 × 16	541	670	
2200	16 × 16	769	16 × 16	826	972	
3300	18 × 16	988	18 × 16	1056		
4700	18 × 20	1231				

Ripple current (mA rms) at 105°C, 120Hz  
Case size ØD × L (mm)