

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



RS

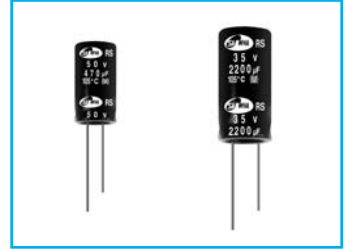
Long Life (7000 hours at 105°C)
Series



Long Life



Solvent Proof



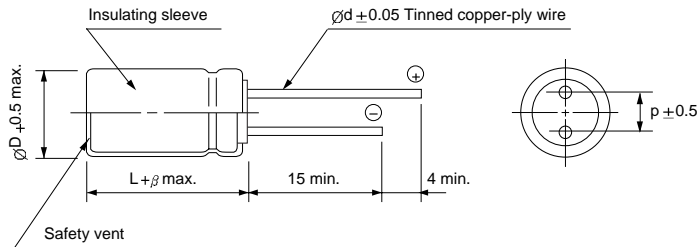
- Load life of 7000 hours at 105°C
- High performance
- High ripple capability
- Designed for use in switching power supplies



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)	Capacitance > 1000 μF : $\tan \delta$ increases by 0.02 for each 1000 μF from below value													
	<table border="1"> <thead> <tr> <th>WV</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>$\tan \delta$</td> <td>0.30</td> <td>0.25</td> <td>0.22</td> <td>0.18</td> <td>0.15</td> <td>0.12</td> </tr> </tbody> </table>	WV	10	16	25	35	50	63	$\tan \delta$	0.30	0.25	0.22	0.18	0.15
WV	10	16	25	35	50	63								
$\tan \delta$	0.30	0.25	0.22	0.18	0.15	0.12								
Low temperature characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>WV</th> <th>10</th> <th>16</th> <th>25 ~ 63</th> </tr> </thead> <tbody> <tr> <td>Z-25°C/Z+20°C</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>5</td> <td>4</td> <td>3</td> </tr> </tbody> </table>	WV	10	16	25 ~ 63	Z-25°C/Z+20°C	2	2	2	Z-40°C/Z+20°C	5	4	3	
	WV	10	16	25 ~ 63										
	Z-25°C/Z+20°C	2	2	2										
Z-40°C/Z+20°C	5	4	3											
Leakage current	Less than specified value													
Load life (after application of the rated voltage for 7000 hours at 105°C)	Capacitance change	Within $\pm 30\%$ of initial value												
	$\tan \delta$	Less than 300% of specified value												
	Ø8 products are for 5000 hours													
Shelf life (after leaving capacitors under no load at 105°C for 1000 hours)	Leakage current	Less than specified value												
	Capacitance change	Within $\pm 15\%$ of initial value												
	$\tan \delta$	Less than 150% of specified value												

DRAWING

Unit : mm



ØD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
Ød	0.6	0.6	0.6	0.8	0.8
β	1.0	2.0			

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	10	16	25	35	50	63
4.7					8 × 11.5	8 × 11.5
10					8 × 11.5	8 × 11.5
22					8 × 11.5	8 × 11.5
33				8 × 11.5	10 × 12.5	10 × 12.5
47			8 × 11.5	10 × 12.5	10 × 12.5	10 × 12.5
100	8 × 11.5	8 × 11.5	10 × 12.5	10 × 12.5	10 × 16	10 × 20
220	10 × 12.5	10 × 12.5	10 × 16	10 × 20	12.5 × 20	12.5 × 20
330	10 × 16	10 × 16	10 × 20	12.5 × 20	12.5 × 20	12.5 × 20
470	10 × 16	10 × 20	12.5 × 20	12.5 × 20	16 × 25	16 × 25
1000	12.5 × 20	12.5 × 20	16 × 25	16 × 25	16 × 31.5	18 × 35.5
2200	16 × 25	16 × 25	16 × 35.5	18 × 35.5	1688	
3300	16 × 31.5	16 × 35.5	18 × 40			
4700	16 × 35.5	18 × 35.5	1855			

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