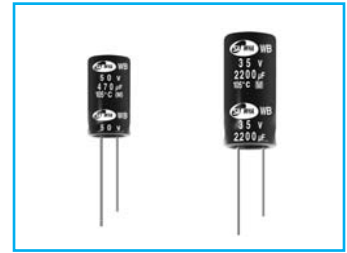


WB Ultra Low Impedance Series

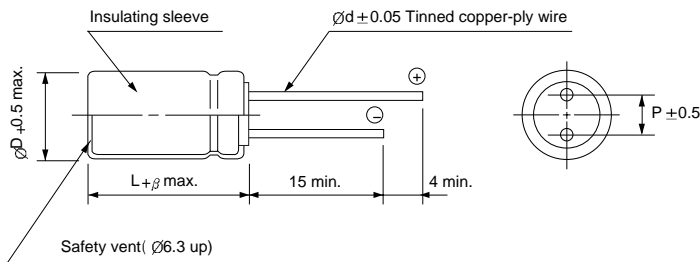
- Low impedance compared with WD series
- Enabled high ripple current by a reduction of impedance at high frequency
- High reliability withstanding 5000 hours load life at 105°C (2000 ~ 4000 hours for smaller case sizes as specified below)
- For switching power supplies, noise filter, adapter, charger



Item	Characteristics																	
Operating temperature range	-40 ~ +105°C																	
Leakage current max.	I = 0.01CV or 3 μ A whichever is greater (after 2 minutes) I = 0.03CV or 4 μ A whichever is greater (after 1 minute)																	
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C																	
Dissipation factor max. (at 120Hz, 20°C)	Capacitance > 1000 μ F : $\tan \delta$ increases by 0.02 for each 1000 μ F from below value.																	
	<table border="1"> <thead> <tr> <th>WV</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>$\tan \delta$</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </tbody> </table>	WV	6.3	10	16	25	35	50	63	100	$\tan \delta$	0.22	0.19	0.16	0.14	0.12	0.10	0.09
WV	6.3	10	16	25	35	50	63	100										
$\tan \delta$	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08										
Low temperature characteristics (Impedance ratio at 120Hz)	Z-40°C / Z+20°C																	
	Z-25°C / Z+20°C																	
Load life (after application of the rated voltage for 5000 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																
	$\varnothing 5, 6.3$: 2000 hours, $\varnothing 8$: 3000 hours, $\varnothing 10$: 4000 hours																	
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and $\tan \delta$ are same as load life value.																	

DRAWING

Unit : mm



$\varnothing D$	5	6.3	8	10	12.5	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
$\varnothing d$	0.5	0.5	0.6	0.6	0.6	0.8	0.8
β	1.0			2.0			

