

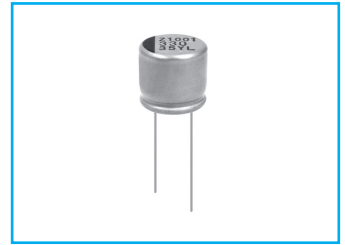
CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS



New

YL

Lead type, High Capacitance & High Ripple Current Series



- High ripple current compared with YG series
- High temperature range, for 125°C use
- Complied to the RoHS directive

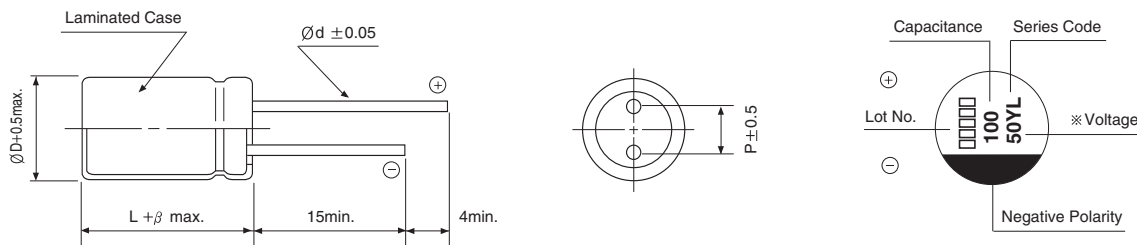
YG → **YL**
High ripple

Item	Characteristics										
Operating temperature range	-55 ~ +125°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>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>$\tan\delta$</td> <td>0.14</td> <td>0.12</td> <td>0.1</td> <td>0.08</td> </tr> </table>	WV	25	35	50	63	$\tan\delta$	0.14	0.12	0.1	0.08
WV	25	35	50	63							
$\tan\delta$	0.14	0.12	0.1	0.08							
Low temperature characteristics (Impedance ratio at 100kHz)	$Z(-25^\circ C) / Z(+20^\circ C) \leq 1.5$ $Z(-55^\circ C) / Z(+20^\circ C) \leq 2.0$										
Load life	<p>After an application of DC bias voltage plus the rated AC ripple current for 4000 hours at 125°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.</p> <table border="1"> <tr> <td>Capacitance change</td> <td>Within $\pm 30\%$ of initial value</td> </tr> <tr> <td>$\tan\delta$</td> <td>Less than 200% of the specified value</td> </tr> <tr> <td>ESR</td> <td>Less than 200% of the specified value</td> </tr> <tr> <td>Leakage current</td> <td>Less than specified value</td> </tr> </table>	Capacitance change	Within $\pm 30\%$ of initial value	$\tan\delta$	Less than 200% of the specified value	ESR	Less than 200% of the specified value	Leakage current	Less than specified value		
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$\tan\delta$	Less than 200% of the specified value										
ESR	Less than 200% of the specified value										
Leakage current	Less than specified value										
Shelf life (at 125°C)	After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4										

HYBRID TYPES

● DRAWING

Unit : mm



Size	∅D	L	P	∅d	β
6.3×7.5	6.3	7.5	2.5	0.45	1.5
8×9.5	8	9.5	3.5	0.60	1.5
10×9.5	10.0	9.5	5.0	0.60	1.5
10×12	10.0	12.0	5.0	0.60	1.5

● PACKING & TAPING (See page 88 ~ 90)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF	WV			25			35			50			63		
	∅D	L	β	∅D	L	β	∅D	L	β	∅D	L	β	∅D	L	β
47										6.3×7.5	40	1500	8×9.5	40	1700
82													10×9.5	30	2000
100				6.3×7.5	30	1800	8×9.5	27	2000	10×9.5	25	2000	10×12	22	3000
150	6.3×7.5	30	1800	8×9.5	27	2000	10×9.5	20	2800	10×12	19	3200			
220															
330	8×9.5	27	2000	10×9.5	20	2800									
390				10×12	17	3500									
560	10×9.5	20	2800												
680	10×12	16	3500												

↑ ↑ ↑
 Ripple current (mA rms) at 125°C, 100kHz
 ESR (mΩ) at 20°C, 100kHz
 Case size ∅D×L(mm)