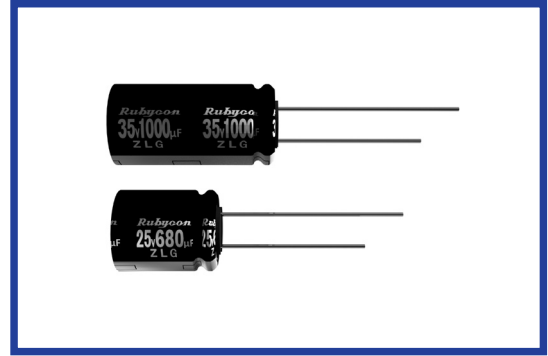


ZLG 系列  
SERIES

105°C 超低阻抗品  
105°C Ultra Low Impedance

·105°C 1000~5000小时品。  
Load Life : 105°C 1000~5000 hours.

RoHS  
compliance



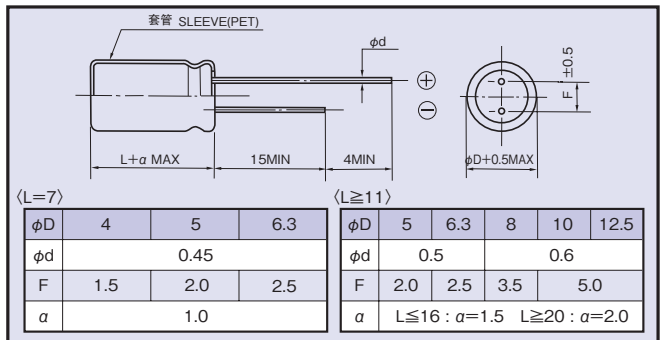
◆规格表 / SPECIFICATIONS

项目 Items	特性 Characteristics																					
工作温度范围 Category Temperature Range	-40~+105°C																					
额定电压范围 Rated Voltage Range	6.3~35Vdc																					
静电容量允许差 Capacitance Tolerance	±20% (20°C, 120Hz)																					
漏电流 Leakage Current(MAX)	小于I = 0.03CV和3µA中的较大值 (施加额定电压2分钟后) I = 0.03CV or 3µA whichever is greater. (After 2 minutes) I = 漏电流(µA) Leakage Current      C = 静电容量(µF) Capacitance      V = 额定电压(Vdc) Rated Voltage																					
损失角正切值(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>额定电压(Vdc) Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td></td> </tr> </table> <p>对于静电容量超过1000µF的产品, 其静电容量每增加1000µF, 则损失角正切值在上表值的基础上加上0.02。 When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.</p>	额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	(20°C, 120Hz)	tanδ	0.22	0.19	0.16	0.14	0.12								
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tanδ	0.22	0.19	0.16	0.14	0.12																	
耐久性 Endurance	<p>在105°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载右表时间后, 满足以下各项要求。 After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tr> <td>静电容量变化率 Capacitance Change</td> <td>初期值的±25%以内 Within ±25% of the initial value.</td> <td rowspan="3"> <table border="1"> <tr> <th>铝壳尺寸 Case Size</th> <th>时间(hrs) Life Time</th> </tr> <tr> <td>L=7</td> <td>1000</td> </tr> <tr> <td rowspan="3">L≥11</td> <td>φD≤6.3</td> <td>2000</td> </tr> <tr> <td>φD= 8</td> <td>3000</td> </tr> <tr> <td>φD= 10</td> <td>4000</td> </tr> <tr> <td>φD≥12.5</td> <td>5000</td> </tr> </table> </td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table>	静电容量变化率 Capacitance Change	初期值的±25%以内 Within ±25% of the initial value.	<table border="1"> <tr> <th>铝壳尺寸 Case Size</th> <th>时间(hrs) Life Time</th> </tr> <tr> <td>L=7</td> <td>1000</td> </tr> <tr> <td rowspan="3">L≥11</td> <td>φD≤6.3</td> <td>2000</td> </tr> <tr> <td>φD= 8</td> <td>3000</td> </tr> <tr> <td>φD= 10</td> <td>4000</td> </tr> <tr> <td>φD≥12.5</td> <td>5000</td> </tr> </table>	铝壳尺寸 Case Size	时间(hrs) Life Time	L=7	1000	L≥11	φD≤6.3	2000	φD= 8	3000	φD= 10	4000	φD≥12.5	5000	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏电流 Leakage Current	规格值以下 Not more than the specified value.	
静电容量变化率 Capacitance Change	初期值的±25%以内 Within ±25% of the initial value.	<table border="1"> <tr> <th>铝壳尺寸 Case Size</th> <th>时间(hrs) Life Time</th> </tr> <tr> <td>L=7</td> <td>1000</td> </tr> <tr> <td rowspan="3">L≥11</td> <td>φD≤6.3</td> <td>2000</td> </tr> <tr> <td>φD= 8</td> <td>3000</td> </tr> <tr> <td>φD= 10</td> <td>4000</td> </tr> <tr> <td>φD≥12.5</td> <td>5000</td> </tr> </table>	铝壳尺寸 Case Size		时间(hrs) Life Time	L=7	1000	L≥11		φD≤6.3	2000	φD= 8	3000	φD= 10	4000	φD≥12.5	5000					
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漏电流 Leakage Current	规格值以下 Not more than the specified value.																					
低温特性 Low Temperature Stability (阻抗比) Impedance Ratio(MAX)	<table border="1"> <tr> <td>额定电压(Vdc) Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>12</td> <td>12</td> <td>10</td> <td>8</td> <td>6</td> <td></td> </tr> </table>	额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	(120Hz)	Z(-25°C)/Z(20°C)	2	2	2	2	2		Z(-40°C)/Z(20°C)	12	12	10	8	6	
额定电压(Vdc) Rated Voltage	6.3	10	16	25	35	(120Hz)																
Z(-25°C)/Z(20°C)	2	2	2	2	2																	
Z(-40°C)/Z(20°C)	12	12	10	8	6																	

◆纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

频率(Hz) Frequency	120	1k	10k	100k≤	
系数 Coefficient	4.7~10uF	0.15	0.53	0.80	1.00
	22~47uF	0.18	0.70	0.90	1.00
	56~100uF	0.27	0.73	0.92	1.00
	120~270uF	0.49	0.73	0.92	1.00
	330~680uF	0.55	0.77	0.94	1.00
	820~1500uF	0.60	0.80	0.96	1.00
	2200~3900uF	0.70	0.85	0.98	1.00

◆尺寸图 / DIMENSIONS (mm)



◆产品型号体系 / PART NUMBER

□□□	ZLG	□□□□□	M	□□□	□□	DxL
额定电压 Rated Voltage	系列名称 Series	静电容量 Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	引线加工记号 Lead Forming	铝壳尺寸 Case Size

◆副记号 / OPTION

	记号 Code
PET套管 PET Sleeve	EFC

**◆标准品一览表 / STANDARD SIZE**

额定电压 Rated Voltage (Vdc)	静电容量 Capacitance ( $\mu$ F)	外形尺寸 Size $\phi$ D×L(mm)	额定纹波电流 Rated ripple current (mA r.m.s./105°C, 100kHz)	阻抗( $\Omega$ MAX) Impedance	
				20°C, 100kHz	-10°C, 100kHz
6.3	33	4×7	230	0.48	1.6
	47	5×7	350	0.26	0.86
	100	6.3×7	480	0.15	0.50
	150	5×11	405	0.15	0.50
	330	6.3×11	760	0.065	0.19
	560	8×11.5	1000	0.036	0.11
	820	8×16	1250	0.028	0.083
	1000	10×12.5	1430	0.027	0.070
	1200	8×20	1600	0.020	0.056
	1200	10×16	1820	0.020	0.056
	1500	10×20	2180	0.014	0.033
	1500	12.5×16	2200	0.018	0.033
	2200	10×23	2360	0.013	0.030
	3300	12.5×20	2480	0.013	0.030
	3900	12.5×25	2900	0.012	0.024
	10	22	4×7	230	0.49
33		5×7	350	0.26	0.86
47		5×7	350	0.26	0.86
100		6.3×7	480	0.15	0.50
100		5×11	405	0.15	0.50
220		6.3×11	760	0.065	0.19
470		8×11.5	1000	0.036	0.11
680		8×16	1250	0.028	0.083
680		10×12.5	1430	0.027	0.070
1000		8×20	1600	0.020	0.056
1000		10×16	1820	0.020	0.056
1200		10×20	2180	0.014	0.033
1200		12.5×16	2200	0.018	0.033
1500		10×23	2360	0.013	0.030
2200		12.5×20	2480	0.013	0.030
3300		12.5×25	2900	0.012	0.024
16	22	5×7	350	0.27	0.89
	33	5×7	350	0.26	0.86
	47	6.3×7	480	0.15	0.50
	56	5×11	405	0.15	0.50
	120	6.3×11	760	0.065	0.19
	330	8×11.5	1000	0.036	0.11
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	1200	10×23	2360	0.013	0.030
	1500	12.5×20	2480	0.013	0.030
	2200	12.5×25	2900	0.012	0.024
	25	10	4×7	230	0.52
22		5×7	350	0.27	0.89
33		6.3×7	480	0.16	0.53
47		6.3×7	480	0.15	0.50
47		5×11	405	0.15	0.50
100		6.3×11	760	0.065	0.19
220		8×11.5	1000	0.036	0.11
330		8×16	1250	0.028	0.083
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680		12.5×16	2200	0.018	0.033
820		10×23	2360	0.013	0.030
1000		12.5×20	2480	0.013	0.030
1500		12.5×25	2900	0.012	0.024
35	4.7	4×7	230	0.64	2.1
	10	5×7	350	0.33	1.1
	22	6.3×7	480	0.17	0.56
	33	6.3×7	480	0.16	0.53
	33	5×11	405	0.15	0.50
	56	6.3×11	760	0.065	0.19
	150	8×11.5	1000	0.036	0.11
	220	8×16	1250	0.028	0.083
	220	10×12.5	1430	0.027	0.070
	270	8×20	1600	0.020	0.056
	330	10×16	1820	0.020	0.056
	470	10×20	2180	0.014	0.033
	470	12.5×16	2200	0.018	0.033
	560	10×23	2360	0.013	0.030
	680	12.5×20	2480	0.013	0.030
	1000	12.5×25	2900	0.012	0.024