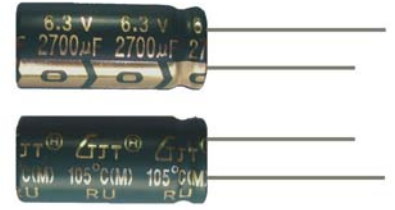


RU Ultra-low Impedance 超低阻抗品

- 105°C, 2000 hours assured. 105°C, 2000 小时寿命品。
- Ultra-low Impedance, High ripple current. 超低阻抗, 高纹波
- Suitable for application of mother board, computer peripheral etc. 适用于电脑主板及其周边设备

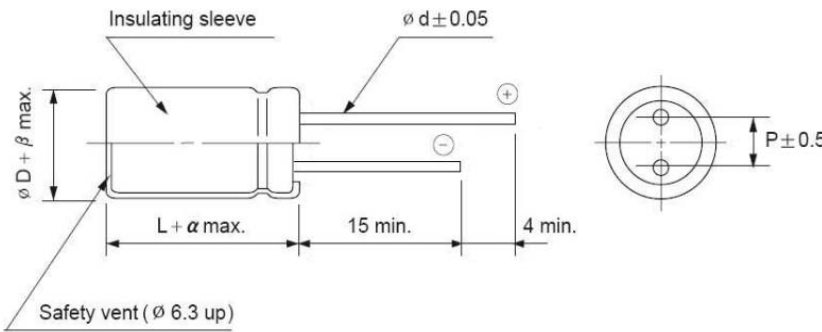


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Specifications 特性表

Items 项目	Characteristics 主要特性																											
Rated Voltage Range 额定工作电压范围	6.3 ~ 25V _{dc}																											
Category Temperature Range 使用温度范围	-40 ~ +105°C																											
Capacitance Tolerance 静电容量允许偏差	±20% (M), at 20°C, 120Hz																											
Leakage Current 漏电流, 20°C环境下施加工作电压 2 分钟后. (at 20°C, After 2 minutes)	I ≤ 0.01CV or 3µA, whichever is greater 漏电流 ≤ 0.01CV or 3µA, 取较大值 Where, I : Max. leakage current (漏电流, µA), C : Nominal capacitance (静电容量, µF), V : Rated voltage (额定电压 V)																											
Dissipation Factor (Tanδ, at 20°C, 120Hz) 损耗角正切值 (测试条件为 20°C, 120Hz)	<table border="1"> <tr> <td>Rated voltage (V) 额定工作电压</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>Tanδ (Max.) 最大损耗角正切</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> </tr> </table> <p>When nominal capacitance exceeds 1,000µF, add 0.02 to the value above for each 1,000µF increase. 静电容量大于 1000µF, 每增加 1000µF, 损耗角正切增加 0.02</p>	Rated voltage (V) 额定工作电压	6.3	10	16	25	35	50	63	100	Tanδ (Max.) 最大损耗角正切	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.08									
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Low Temperature Characteristics (Max. Impedance Ratio, 120Hz) 低温特性最大阻抗比	<table border="1"> <tr> <td>Rated voltage (V) 额定工作电压</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>18</td> <td>16</td> <td>12</td> <td>10</td> <td>8</td> <td>8</td> <td>6</td> <td>6</td> </tr> </table>	Rated voltage (V) 额定工作电压	6.3	10	16	25	35	50	63	100	Z(-25°C)/Z(20°C)	8	6	4	4	3	3	3	3	Z(-40°C)/Z(20°C)	18	16	12	10	8	8	6	6
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Z(-40°C)/Z(20°C)	18	16	12	10	8	8	6	6																				
Endurance 耐久性	<p>The following specification shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the ripple current is applied for the specified period of time at 105°C. 在 105°C 环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载规定时间的额定电压后, 待温度恢复到 20°C 进行测量时, 应满足以下要求。</p> <table border="1"> <tr> <td>Test Time 测试时间</td> <td>2,000Hrs</td> </tr> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20% initial value 初始值的±20%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切</td> <td>≤200% of specified value 不大于规范值的 200%</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>≤The initial specified value 不大于规范值</td> </tr> </table>	Test Time 测试时间	2,000Hrs	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内	Dissipation Factor 损耗角正切	≤200% of specified value 不大于规范值的 200%	Leakage Current 漏电流	≤The initial specified value 不大于规范值																			
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Shelf Life 高温贮存	<p>The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of IEC 60384-4. 在 105°C 环境中, 无负荷放置 1,000 小时后待温度恢复到 20°C, 进行试验前处理(IEC 60384-4 4.1 项)后进行测量时, 应满足以下要求。</p> <table border="1"> <tr> <td>Capacitance Change 静电容量变化率</td> <td>Within ±20% initial value 初始值的±20%以内</td> </tr> <tr> <td>Dissipation Factor 损耗角正切值</td> <td>≤200% of specified value 不大于规范值的 200%</td> </tr> <tr> <td>Leakage Current 漏电流</td> <td>≤The initial specified value 不大于规范值</td> </tr> </table>	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内	Dissipation Factor 损耗角正切值	≤200% of specified value 不大于规范值的 200%	Leakage Current 漏电流	≤The initial specified value 不大于规范值																					
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Drawing(Unit: mm) 外形图



φD	8	10
P	3.5	5.0
φd	0.5	5.0
α	1.5	
β	0.5	

Rated ripple current multipliers(Unit: mm) 额定纹波修正系数

Frequency 频率 (Hz)	60Hz	120Hz	300Hz	1KHz	10KHz	100KHz
Coefficient 系数	Under 470µF	0.35	0.42	0.50	0.60	1.00
	470 < C ≤ 1000	0.60	0.70	0.78	0.85	1.00
	1000 up above	0.75	0.80	0.84	0.95	1.00

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise. 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化, 每升温 5°C 寿命减少一半。
When long life performance is required in actual use, the rms ripple current has to be reduced. 要想保持长寿命请在使用过程中降低纹波电流。

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, Please contact us immediately for technical assistance before purchase.

注: 以上所提供的设计及特性参数仅供参考, 任何修改不作预先通知, 如有使用上任何疑问, 请在采购前与我们联系, 以便提供技术上的协助。

RL Series

■ Standard ratings 标准品一览表

WV μF	6.3			10			16			25		
	ΦD x L	Impedance	R.C.	ΦD x L	Impedance	R.C.	ΦD x L	Impedance	R.C.	ΦD x L	Impedance	R.C.
220										8X11.5	0.032	1080
270										8X11.5	0.031	1150
330							8X11.5	0.0	1080	8X15	0.029	1450
										10X12.5	0.027	1850
470							8X11.5	0.038	1080	8X20	0.02	1720
							10X12.5	0.027	1500	10X16	0.022	1830
560	8x11.5	0.04	1030	8X11.5	0.04	1080	8X15	0.029	1450	10X16	0.021	1850
680	8x11.5	0.042	1030	8X11.5	0.04	1080	8X15	0.029	1450	10X16	0.02	1920
				10X12.5	0.029	1450	10X12.5	0.027	1500	10X20	0.018	2060
820	8x15	0.038	1030	10X12.5	0.029	1480	8X20	0.02	1850	10X20	0.017	2120
1000	8x11.5	0.038	1080	8X15	0.028	1450	8X20	0.02	1850	10X20	0.016	2180
				10X12.5	0.028	1480	10X12.5	0.027	1500	10X16	0.018	1910
1200	8x15	0.03	1430	8X20	0.021	1830	10X20	0.017	2540			
1500	8x20	0.022	1830	8X20	0.02	1850	10X20	0.015	2540			
				10x12.5	0.027	1480	10X16	0.02	1910			
1800	8x20	0.02	1890	10X20	0.02	2480	10X25	0.013	2800			
				10x16	0.019	1890						
2200	10x16	0.018	1910	10X20	0.015	2540						
				10X25	0.014	2800						
2700	10x20	0.015	2520									
3300	10x30	0.01	2780									

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 100KHz. 尺寸 ΦD x L(mm), 纹波电流於 105°C, 100KHz

Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内