

RLM

特点 Features

- 保证105°C 2000小时。Endurance : 2000h at 105°C.
- 额定电压范围：2.5~25V。Rated Voltage Range: 2.5~25V.
- 适用于表面安装。Use for surface mounted type.
- 标准品。Standard product.
- 满足RoHS。RoHS Compliant.



主要技术性能 Specifications

项目 Items	特性 Performance Characteristics							
类别温度范围 Category Temperature Range	-55°C ~ +105°C							
额定电压范围 Rated Voltage (U _R)	2.5V ~ 25V							
标称容量范围 Nominal Capacitance Range(C _n)	39 ~ 2700μF	120Hz, +20°C						
标称容量允许偏差 Allowed Capacitance Tolerance(C _r)	±20% (M)	120Hz, +20°C						
漏电流 Leakage Current(I _L)	≤0.2C _n U _R 或者300uA 取较大值 (Whichever is greater)							
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <tr> <td>ΦD</td> <td>Φ6.3</td> <td>Φ8~Φ10</td> </tr> <tr> <td>Tanδ</td> <td>0.10</td> <td>0.08</td> </tr> </table>	ΦD	Φ6.3	Φ8~Φ10	Tanδ	0.10	0.08	+20°C After 2 minutes Max. 120Hz, +20°C
ΦD	Φ6.3	Φ8~Φ10						
Tanδ	0.10	0.08						
等效串联电阻 Equivalent Series Resistance(ESR)	参照规格表 Reference parameter table							
低温特性 Characteristics at Low Temperature	$Z_{-55^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}} \leq 1.15$ $Z_{-55^{\circ}\text{C}}/Z_{+20^{\circ}\text{C}} \leq 1.25$							
耐久性 Load Life	+105°C施加额定电压2000小时后, 待温度恢复到20°C后进行测试, 电容器应满足以下要求: After 2000 hours' application of rated voltage at 105°C, and then being stabilized at +20°C, the capacitor shall meet the following requirement:							
	容量变化率 Capacitance Change	±20%初始测试值以内 Within ±20% of initial measured value						
	损耗角正切 Tangent of loss angle	≤ 150%初始规定值 Not more than 150% of specified value						
	等效串联电阻 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of specified value						
	漏电流 Leakage Current	≤ 初始规定值 Not more than specified value						
	60°C, 90~95% RH, 不加电压1000小时	60°C, 90~95% RH, 1000 hours, No-applied voltage.						
稳态湿热 Damp heat(Steady state)	容量变化率 Capacitance Change	±20%初始测试值以内 Within ±20% of initial measured value						
	损耗角正切 Tangent of loss angle	≤ 150%初始规定值 Not more than 150% of specified value						
	等效串联电阻 Equivalent Series Resistance	≤ 150%初始规定值 Not more than 150% of specified value						
	漏电流 Leakage Current	≤ 初始规定值 Not more than specified value						
	(VPS) (260°C X 10s)							
	容量变化率 Capacitance Change	±10%初始测试值以内 Within ±10% of initial measured value						
耐焊接热 Resistance to Soldering Heat	损耗角正切 Tangent of loss angle	≤ 初始规定值 Not more than specified value						
	等效串联电阻 Equivalent Series Resistance	≤ 初始规定值 Not more than specified value						
	漏电流 Leakage Current	≤ 初始规定值 Not more than specified value						

※ 当产生疑问的时候, 用以下电压处理后测定。

电压处理: 125°C下, 连续加载120分钟的电压。加载电压为额定电压。

When in doubt, apply the following voltage treatment and measure.

Voltage processing: under the condition of 125°C ambient temperature, continuous load voltage of 120 minutes. Load voltage is rated voltage.

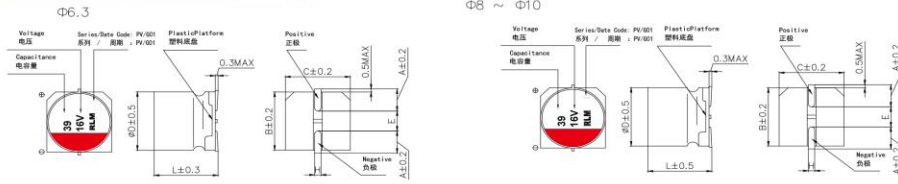
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ALUMINUM ELECTROLYTIC CAPACITORS



尺寸图 Dimensional drawings



尺寸表 Size table

单位 Unit: mm

	6.3×5.8	6.3×7.7	8×10.5	8×12.5	10×10.5	10×12.5
A	2.4	2.4	2.9	2.9	3.2	3.2
B	6.6	6.6	8.3	8.3	10.3	10.3
C	6.6	6.6	8.3	8.3	10.3	10.3
E	2.2	2.2	3.1	3.1	4.5	4.5
L	5.8 (±0.3)	7.7 (±0.3)	10.5 (±0.5)	12.5 (±0.5)	10.5 (±0.5)	12.5 (±0.5)
H	0.5~0.8		0.8~1.1			

规格特性表 Table of specifications and characteristics

U_n (V)	C_r (μ F)	$\Phi D \times L$ (mm ² mm)	Tan δ (120Hz, 20°C)	I_L (μ A)	ESR (m Ω /at 100k~300kHz 20°C max)	I_{ACR} (mA/rms at 100kHz, 105°C)
2.5	220	6.3×5.8	0.1	300	25	2500
	270	6.3×5.8	0.1	300	25	2500
	330	6.3×5.8	0.1	300	25	2700
	390	6.3×5.8	0.1	300	25	2700
	470	6.3×7.7	0.1	300	20	3700
	560	6.3×7.7	0.1	300	20	3700
	680	8×10.5	0.08	340	15	4100
	820	8×10.5	0.08	410	15	4100
	1000	8×10.5	0.08	500	15	4100
	1200	8×12.5	0.08	600	12	4300
	1500	8×12.5	0.08	750	12	4300
	2200	10×10.5	0.08	1100	12	4700
2700	10×12.5	0.08	1350	12	4700	
4	220	6.3×5.8	0.1	300	25	2500
	270	6.3×5.8	0.1	300	25	2500
	330	6.3×5.8	0.1	300	25	2600
	390	6.3×5.8	0.1	312	25	2600
	470	6.3×7.7	0.1	376	20	3100
	560	6.3×7.7	0.1	448	20	3100
	680	8×10.5	0.08	544	15	4100
	820	8×10.5	0.08	656	15	4100
	1000	8×10.5	0.08	800	15	4100
	1200	8×12.5	0.08	960	12	4700
	1500	8×12.5	0.08	1200	12	4700
	2200	10×10.5	0.08	1760	12	5400
2700	10×12.5	0.08	2160	12	5400	
6.3	100	6.3×5.8	0.1	300	25	2400
	120	6.3×7.7	0.1	300	20	2600
	150	6.3×5.8	0.1	300	25	2400
	220	6.3×5.8	0.1	300	25	2400
	220	6.3×7.7	0.1	300	20	2600
	330	6.3×7.7	0.1	415	20	2600
470	6.3×7.7	0.1	592	20	2600	

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ALUMINUM ELECTROLYTIC CAPACITORS



U _r (V)	C _s (μF)	ΦD×L (mm×mm)	Tanδ (120HZ,20℃)	I _r (μA)	ESR (mΩ/at 100k~300kHz 20℃ max)	I _{ACR} (mA/rms at 100kHz, 105℃)	
6.3	680	8×10.5	0.08	856	15	4100	
	820	8×10.5	0.08	1033	15	4100	
	1000	8×10.5	0.08	1260	15	4100	
	1200	8×12.5	0.08	1512	12	4700	
	1500	8×12.5	0.08	1890	12	4700	
	2200	10×10.5	0.08	2772	12	5400	
	2700	10×12.5	0.08	3400	12	5400	
	10	56	6.3×5.8	0.1	300	30	2100
68		6.3×5.8	0.1	300	30	2100	
120		6.3×5.8	0.1	300	30	2100	
150		6.3×7.7	0.1	300	25	2500	
220		6.3×7.7	0.1	440	25	2500	
270		6.3×7.7	0.1	540	25	2500	
470		8×10.5	0.08	940	20	3700	
560		8×10.5	0.08	1120	20	3700	
680		8×10.5	0.08	1360	20	3700	
820		8×12.5	0.08	1640	15	4300	
1000		8×12.5	0.08	2000	15	4300	
1200		10×10.5	0.08	2400	15	5200	
1500		10×12.5	0.08	3000	15	5200	
16		39	6.3×5.8	0.1	300	40	1600
		47	6.3×5.8	0.1	300	40	1600
	68	6.3×5.8	0.1	300	40	1600	
	82	6.3×5.8	0.1	300	40	1600	
	100	6.3×5.8	0.1	320	40	1600	
	100	6.3×7.7	0.1	320	35	2300	
	150	6.3×7.7	0.1	480	35	2300	
	330	8×10.5	0.08	1056	30	3700	
	470	8×10.5	0.08	1504	30	3700	
	560	8×10.5	0.08	1792	30	3700	
	680	8×12.5	0.08	2176	25	4100	
	820	10×10.5	0.08	2624	25	5100	
	1000	10×12.5	0.08	3200	20	5100	
	20	220	8×10.5	0.08	880	30	3100
		270	8×10.5	0.08	1080	30	3100
330		8×10.5	0.08	1320	30	3100	
390		8×10.5	0.08	1560	30	3100	
470		8×12.5	0.08	1880	25	3700	
680		10×10.5	0.08	2720	25	4300	
820		10×12.5	0.08	3280	25	4300	
25		150	8×10.5	0.08	750	35	2900
	220	8×10.5	0.08	1100	35	2900	
	270	8×12.5	0.08	1350	30	3100	
	330	10×10.5	0.08	1650	30	3800	
	470	10×12.5	0.08	2350	30	3800	