

### RCL Series (NEW) 引线型铝电解电容器低漏电流品

Low Leakage Current Aluminum Electrolytic Capacitor of Radial Lead Typ

- 低漏电流 • 85°C 2000 小时
- 性能稳定, 符合 RoHS
- Low Leakage Current • 85°C 2000hours
- High Stability, RoHS Compliance

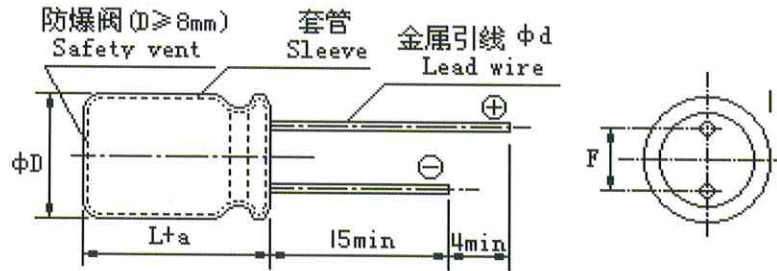


#### ■ 主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-40 ~ +85°C							
额定电压范围 Rated Voltage Range	6.3 ~ 50V DC							
标称电容量允许偏差 Capacitance Tolerance (120Hz, 20°C)	± 20% ( M )							
漏电流 Leakage Current	I ≤ 0.002CV (μA) 或 0.4 μA 取较大者 ( 2 分钟 ) I ≤ 0.002CV or 0.4 μA Whichever is greater ( after 2 minutes )							
损耗角正切值 Dissipation Factor (120Hz 20°C)	(L=7)							
	W.V.	6.3	10	16	25	35	50	
	Tg δ	0.24	0.20	0.16	0.16	0.12	0.10	
	(L ≥ 11)							
	W.V.	6.3	10	16	25	35	50	
	Tg δ	0.22	0.19	0.16	0.14	0.12	0.10	
	容量大于 1000 μF 者, 每增加 1000 μF, 其损耗角正切值增加 0.02 For capacitance exceeding 1000 μF, add 0.02 per increment of 1000 μF							
低温特性 Low Temperature Stability Impedance Ratio(MAX) (120Hz)	W.V.	6.3	10	16	25	35	50	
	Z(-25°C)/Z(+20°C)	4	3	2	2	2	2	
	Z(-40°C)/Z(+20°C)	8	6	6	4	4	3	
耐久性 Load Life	在叠加额定纹波电流时, 按照下表给出的寿命时间测试后, 产品性能应符合以下要求: After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.							
	电容量变化率 Capacitance Change	≤ ± 25% 初始测量值 ≤ ± 25% of Initial measured value					Case Size	Life Time
	漏电流值 Leakage	≤ 规定值 ≤ The specified value						
	损耗角正切值 Dissipation Factor	≤ 2 倍规定值 ≤ 200% of the specified value					(L=7)	1000
						(L ≥ 11)	2000	
高温放置 Shelf Life	+85°C, 1000 小时, 然后加额定电压按照 JISC 5101-4 第 4.1 项规定预处理后测量。 After storage for 1000 hours at +85°C, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JISC 5101-4.							
	电容量变化率 Capacitance Change	≤ ± 20% 初始测量值 ≤ ± 20% of Initial measured value						
	漏电流值 Leakage	≤ 规定值 ≤ The specified value						
	损耗角正切值 Dissipation Factor	≤ 2 倍规定值 ≤ 200% of the specified value						

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### ■ 外形图及尺寸 Case size table



$\Phi D \pm 0.5$	L=7				L $\geq$ 11				
	4	5	6.3	8	5	6.3	8	10	12.5
$F \pm 0.5$	1.5	2.0	2.5	3.5	2.0	2.5	3.5	5.0	
$\Phi d \pm 0.05$	0.45				0.5		0.5/0.6	0.6	
a	1.0				1.5				

mm

### ■ 标称电容量、额定电压、额定纹波电流及外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

$\mu F$	WV mA	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
		$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA	$\Phi D \times L$	I~mA
0.1	(0R1)											4×7 5×11	1.0 1.1
0.22	(R22)											4×7 5×11	2.3 2.5
0.33	(R33)											4×7 5×11	3.5 4.0
0.47	(R47)											4×7 5×11	5.0 7.0
1.0	(010)											4×7 5×11	10 13
2.2	(2R2)											4×7 5×11	16 23
3.3	(3R3)											4×7 5×11	19 35
4.7	(4R7)							4×7 5×11	21 30	4×7 5×11	22 35	5×7 5×11	29 41
10	(100)					4×7 5×11	28 40	5×7 5×11	33 50	5×7 5×11	32 55	6.3×7 5×11	44 60
22	(220)	4×7 5×11	34 48	5×7 5×11	38 55	5×7 5×11	44 70	6.3×7 5×11	55 87	6.3×7 5×11	60 95	8×7 6.3×11	65 110
33	(330)	5×7 5×11	42 55	5×7 5×11	47 74	6.3×7 5×11	62 90	6.3×7 5×11	65 110	8×7 6.3×11	73 120	6.3×11	140
47	(470)	5×7 5×11	50 79	6.3×7 5×11	66 90	6.3×7 5×11	73 120	8×7 6.3×11	80 130	6.3×11	145	8×11.5	190
100	(101)	6.3×7 5×11	87 100	8×7 6.3×11	99 150	8×7 6.3×11	110 185	8×11.5	210	8×11.5	250	10×12	300
220	(221)	8×7 6.3×11	133 220	8×11.5	280	8×11.5	310	10×12	370	10×16	420	10×20	490
330	(331)	8×11.5	310	8×11.5	360	10×12	410	10×16	480	10×20	540	12.5×20	680
470	(471)	8×11.5	400	10×12	460	10×16	530	10×20	600	12.5×20	730		
1000	(102)	10×16	660	10×20	760	12.5×20	900	12.5×25	1000				
2200	(222)	12.5×20	1050	12.5×25	1200								

I~ 额定纹波电流 Rated ripple current: (mA, 85°C, 120Hz)