RVE-LZ Series

LOW IMPEDANCE 低阻抗品

- Low impedance with temperature range -55 ~ +105 ° C 低阻抗和适用于-55~+105 ° 的温度范围
- Load life of 1000 ~ 2000 hours 负荷寿命1000~2000小时
- Comply with the RoHS directive 符合RoHS指令



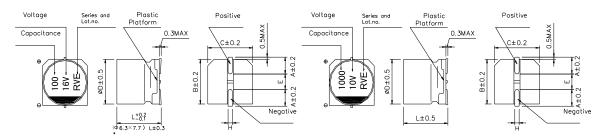




■主要技术性能 Specification

项目 Item	特性 Performance Characteristics											
使用温度范围 Operating temperature range	-40 ~ +105°C											
额定电压范围 Rated voltage range	4 ~ 100V											
标称电容量范围 Nominal capacitance range	0.1 ∼ 6800µF											
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)											
漏电流 Leakage current		I ≤ 0.01CV 或 3(μA) 2分钟 取较大者 (at 20℃,after 2 minutes) (whichever is greater)						≤ 0.02CV +15 (μA) 1分钟 (1 minute)				
损耗角正切值(tg δ) Dissipation factor (+20℃, 120Hz)	$\begin{array}{c c} & U_{R}\left(V\right) \\ \\ \text{tg } \delta & \boxed{\varnothing 4 \text{-} \varnothing 10} \\ \hline \varnothing 12.5 \text{-} \varnothing 16} \end{array}$		6.3 0.22 0.26	0.1 0.2	9	16 0.16 0.18	25 0.14 0.16	35 0.12 0.14		50 0.12 0.12		
温度特性Temperature characteristics (Impedance ratio at 120Hz)	U _R (V) 2(-25°C) / Z 2(-25°C) / Z 2(-25°C) / Z 2(-5°C) / Z 2(-5°C) / Z		Z(20°C) Z(20°C)	6.3 2 5 3	10 2 4 3 8	16 2 4 2 6	25 2 3 2 4	35 2 3 2 3	50 2 3 2 3			
耐久性 Load life	After 2000 hrs. (1000 hrs. for ∅4~∅6.3×5.4) application of the rated voltage at 105°C, they meet the characteristics listed below. 在105°C环境中施加额定工作电压2000小时(∅4~∅6.3×5.4 为1000小时)后,电容器的特性符合下表的要求。电容量变化率 Capacitance change:±20%的始测量值以内 ±20% of the initial measured value 漏 电 流 Leakage current:≤初始规定值≤the initial specified value											
高温贮存 Shelf life	After storage 电容量变化率											

■ 外形图及尺寸图 Case size table



*1. Voltage mark for 6.3V is [6V]

6.3V 的產品標識為 [6V]

*2. Applicable to Ø6.3×7.7

適用於∅6.3×7.7

*3. Applicable to Ø8×10.5~Ø10

適用於Ø8×10.5~Ø10

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ØD x L	4 x 5.4	5 x 5.4	6.3 x 5.4	6.3 x 7.7	8 x 6.2	8 x 10.5	10 x 10.5	10 x 13.5	12.5 x 13.5	12.5 x 16	16 x 16.5
Α	1.8	2.1	2.4	2.4	3.3	2.9	3.2	3.2	4.7	4.7	5.5
В	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3	13.0	13.0	17.0
С	4.3	5.3	6.6	6.6	8.3	8.3	10.3	10.3	13.0	13.0	17.0
E ± 0.2	1.0	1.3	2.2	2.2	2.2	3.1	4.4	4.4	4.4	4.4	6.7
L	5.4	5.4	5.4	7.7	6.2	10.5	10.5	13.5	13.5	16.0	16.5

■ 尺寸 Dimensions

WV Code		6.3				10		16			
μF	ode 代码	0J				1A		1C			
10	100							4 x 5.4	3.0	60	
15	150							5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	
22	220	4 x 5.4	3.0	60	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	
33	330	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	
47	470	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	
68	680	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 5.4	1.0	140	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	
100	101	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	
150	151	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	6.3 x 7.7	0.6	230	
220	221	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	6.3 x 7.7	0.6	230	8 x 10.5 (6.3 x 7.7)	0.30 (0.6)	450 (230)	
330	331	6.3 x 7.7	0.6	230	8 x 10.5	0.30	450	10 x 10.5 (8 x 10.5)	0.15 (0.30)	670 (450)	
470	471	8 x 10.5	0.30	450	8 x 10.5	0.30	450	10 x 10.5 (8 x 10.5)	0.15 (0.30)	670 (450)	
680	681	8 x 10.5	0.30	450	10 x 10.5	0.15	670	10x 10.5	0.15	670	
1000	102	10 x 10.5 (8 x 10.5)	0.15 (0.30)	670 (450)	10 x 10.5	0.15	670	10 x 10.5	0.15	670	
1500	152	10 × 13.5 (10 × 10.5)	0.13 (0.15)	750 (670)	12.5 × 13.5 (10 × 13.5)	0.11 (0.13)	820 (750)	12.5 × 13.5	0.11	820	
2200	222	12.5 × 13.5 (10 × 13.5)	0.11 (0.13)	820 (750)	12.5 × 16	0.09	950	16 × 16.5 (12.5 × 16)	0.08 (0.09)	1260 (950)	
3300	332	12.5 × 16 (12.5 × 13.5)	0.09 (0.11)	950 (820)	16 × 16.5	0.08	1260	16 x 16.5	0.08	1260	
4700	472	16 × 16.5	0.08	1260	16 × 16.5	0.08	1260				

WV Code			25			35		50			
μF	代码	吗 1E			1V		1H				
1	010				4 x 5.4	3.0	60	4 x 5.4	5.0	30	
1.5	1R5				4 x 5.4	3.0	60	4 x 5.4	5.0	30	
2.2	2R2				4 x 5.4	3.0	60	4 x 5.4	5.0	30	
3.3	3R3				4 x 5.4	3.0	60	4 x 5.4	5.0	30	
4.7	4R7	4 x 5.4	3.0	60	4 x 5.4	3.0	60	5 x 5.4	3.0	50	
6.8	6R8	4 x 5.4	3.0	60	5 x 5.4	1.8	95	6.3 x 5.4	2.0	70	
10	100	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	5 x 5.4 (4 x 5.4)	1.8 (3.0)	95 (60)	6.3 x 5.4	2.0	70	
15	150	6.3 x 5.4	1.8	95	5 x 5.4	1.8	95	6.3 x 5.4	2.0	70	
22	220	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 7.7 (6.3 x 5.4)	1.0 (2.0)	120 (70)	
33	330	6.3 x 5.4 (5 x 5.4)	1.0 (1.8)	140 (95)	6.3 x 5.4	1.0	140	6.3 x 7.7	1.0	120	
47	470	6.3 x 7.7 (6.3 x 5.4)	0.6 (1.0)	230 (140)	6.3 x 7.7 (6.3 x 5.4)	0.60 (1.0)	230 (140)	6.3 x 7.7	1.0	120	
68	680	6.3 x 7.7	0.6	230	6.3 x 7.7	0.60	230	8 x 10.5	0.60	300	
100	101	6.3 x 7.7	0.6	230	8 x 10.5	0.30	450	8 x 10.5	0.60	300	
								10 x 10.5	0.30	500	
150	151	8 x 10.5 (6.3 x 7.7)	0.30 (0.6)	450 (230)	8 x 10.5	0.30	450	Case size ØD×L(mm) 尺寸	Impedance (Ω) at 20°C 100KHz 阻抗值	Ripple current (mA rms) at 105°C 100KHz 纹波电流	

RVE-LZ Series

■ 尺寸 Dimensions

WV		25				35		50			
μF Code 代码 1E				1V		1H					
220	221	8 x 10.5	0.30	450	10 x 10.5 (8 x 10.5)	0.15 (0.30)	670 (450)	10 x 10.5	0.30	500	
330	331	10 x 10.5 (8 x 10.5)	0.15 (0.30)	670 (450)	10 x 10.5	0.15	670	16 × 16.5 (12.5 × 13.5) (10 × 13.5)	0.12 (0.20) (0.25)	1060 (650) (580)	
470	471	10 x 10.5	0.15	670	10 x 10.5	0.15	670	16 × 16.5 (12.5 × 16)	0.12 (0.15)	1060 (700)	
680	681	10 x 13.5	0.13	750	12.5 × 13.5 (10 × 13.5)	0.11 (0.13)	820 (750)	16 × 16.5	0.12	1060	
1000	102	16 × 16.5 (12.5 × 13.5)	0.08 (0.11)	1260 (820)	16 × 16.5 (12.5 × 16)	0.08 (0.09)	1260 (950)				
1500	152	12.5 × 16	0.09	950	16 × 16.5	0.08	1260	Case size	Impedance (Ω) at 20°C 100KHz 阻抗值	Ripple current (mA rms) at	
2200	222	16 × 16.5	0.08	1260				】 ØD×L(mm) 尺寸		` 105°C 100KHz 纹波电流	

■ 纹波电流的相关参数 Multiplier For Ripple Current

	Frequency 频率			120Hz	300Hz	1KHz	10KHz-
Coefficient	Φ4-Φ10	1-68uF	0.35	0.50	0.64	0.83	1.00
	t	100-2200uF	0.40	0.55	0.70	0.85	1.00
系数		−680uF	0.45	0.65	0.80	0.90	1.00
	Ф12.5-Ф16	1000-4700uF	0.65	0.85	0.95	1.00	1.00