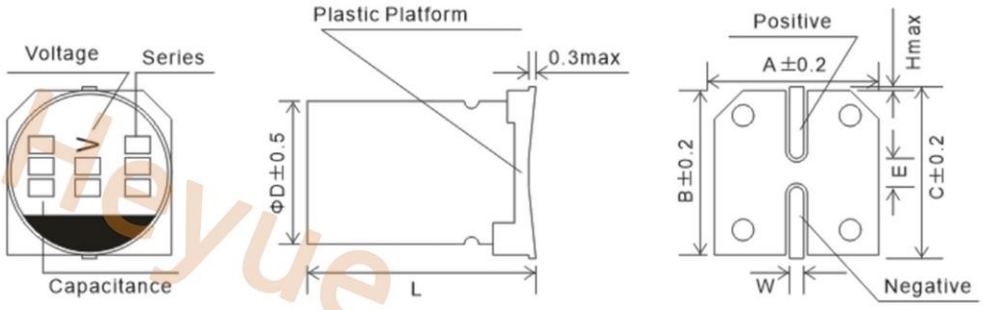
RVE Low Impedance 低阻抗品

- 105℃, 2000~3000 hours assured.
  105℃,负荷寿命 2000~3000 小时。
- Case diameter Φ4mm ~ Φ18mm.
  产品直径 Φ4mm ~ Φ18mm.
- Available for high density surface mounting.
  适用于高密度表面组装。
- High stability and reliability.
  性能稳定，可靠性高。

■Specifications 特性表

	Characteristics 主要特性
Rated Voltage Range 额定工作电压范围	6.3 ~ 50V_{dc}
Category Temperature Range 使用温度范围	-55 ~ +105℃
Capacitance Tolerance 静电容量允许偏差	20% (M), at 20℃, 120Hz
Leakage Current (at 20℃, Application Rated Voltage) 漏电流(20℃环境下施加额定工作电压)	Rated Voltage 额定工作电压: 6.3 ~ 50V_{dc} Time 时间: After 2 minutes 施加电压 2 分钟后 Case Size 产品尺寸: Φ4 ~Φ10 / Φ12.5 ~Φ18 Leakage Current 漏电流: ≤0.01CV or 3uA , whichever is greater ≤0.01CV or 3uA, 取较大值 / ≤0.03CV or 4uA , whichever is greater ≤0.03CV or 4uA, 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℃ ,120Hz) 损耗角正切值 (测试条件为 20℃,120Hz)	Rated voltage (V) 额定工作电 6.3 / 10 / 16 / 25 / 35 / 50 Φ4 ~Φ10: 0.22 / 0.19 / 0.16 / 0.14 / 0.12 / 0.12 Φ12.5 ~Φ18: 0.26 / 0.22 / 0.18 / 0.16 / 0.14 / 0.12 When nominal capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase. 静电容量大于1000uF，每增加1000uF，损耗角正切增加0.02
Low Temperature Characteristics (Max. Impedance Ratio, 120Hz) 低温特性最大阻抗比	Rated voltage (V) 额定工作电压: 6.3 / 10 / 16 / 25 / 35 / 50 Z(-25℃)/Z(20℃) Φ4 ~Φ10: 2 / 2 / 2 / 2 / 2 / 2 Z(-25℃)/Z(20℃) Φ12.5 ~Φ18: 3 / 3 / 2 / 2 / 2 / 2 Z(-55℃)/Z(20℃) Φ4 ~Φ10: 5 / 4 / 4 / 2 / 2 / 2 Z(-55℃)/Z(20℃) Φ12.5 ~Φ18: 10 / 8 / 6 / 4 / 3 / 3
Endurance 耐久性	The following specification shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the ripple current is applied for the specified period of time at 105℃. 在 105℃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℃进行测量时，应满足以下要求。 Test Time 测试时间: 2,000Hrs / 3,000Hrs Case Size 产品尺寸: Φ4 ~Φ6.3 / Φ8 ~Φ18 Capacitance Change 静电容量变化率: Within 30% initial value 初始值的 30%以内 / Within 25% initial value 初始值的 25%以内 Dissipation Factor 损耗角正切: ≤300% of specified value 不大于规范值的 300% / ≤300% of specified value 不大于规范值的 300% Leakage Current 漏电流: ≤The initial specified value 不大于规范值
Shelf Life 高温贮存	After storage for 1000 hours at 105℃ with no voltage applied and then being stabilized at +20℃, capacitors shall meet the limits specified in Endurance. (Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of IEC 60384-4.) 在 105℃环境中，无负荷放置 1,000 小时后待温度恢复到 20℃，进行试验前处理(IEC 60384-4 4.1 项)后进行测量时，电容器的特性符合高温负荷特性中所列的规格值。

■Drawing(Unit: mm) 外形图



Case Size 产品尺寸	Φ4 x 5.4	Φ5 x 5.4	Φ6.3 x 5.4	Φ6.3 x 7.7	Φ8 x 6.5	Φ8 x 10	Φ10 x 10	Φ12.5 x 13.5	Φ12.5 x 16	Φ16 x 16.5	Φ18 x 16.5
A	4.3	5.3	6.6	6.6	8.3	8.3	10.3	13.0	13.0	17.0	19.0
B	4.3	5.3	6.6	6.6	8.3	8.3	10.3	13.0	13.0	17.0	19.0
C	5.0	6.0	7.3	7.3	9.0	9.0	11.0	13.7	13.7	18.0	20.0
E	1.0	1.5	2.0	2.0	3.1	3.1	4.7	4.4	4.4	6.4	6.4
L	5.4±0.3	5.4±0.3	5.4±0.3	7.7±0.3	6.5±0.3	10±0.5	10±0.5	13.5±0.5	16.5±0.5	16.5±0.5	16.5±0.5
W	0.5 ~ 0.8					0.8 ~ 1.1		1.0~ 1.4			
H	0.5max.							1.0max.			

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

■Standard ratings 标准品一览表

WV / uF	6.3v(0J)			10v(1A)			16v(1C)			25v(1E)			35v(1V)			50v(1H)		
	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C	ΦDxL	Imp.	R.C.	ΦDxL	Imp.	R.C.
1													4x5.4	3.0	60	4x5.4	5.0	30
1.5													4x5.4	3.0	60	4x5.4	5.0	30
2.2													4x5.4	3.0	60	4x5.4	5.0	30
3.3													4x5.4	3.0	60	4x5.4	5.0	30
4.7										4x5.4	3.0	60	4x5.4	3.0	60	5x5.4	3.0	50
6.8										4x5.4	3.0	60	5x5.4	1.8	95	6.3x5.4	2.0	70
10							4x5.4	3.0	60	4x5.4	3.0	60	4x5.4	3.0	60	6.3x5.4	2.0	70
										5x5.4	1.8	95	5x5.4	1.8	95			
15							4x5.4	3.0	60	5x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	2.0	70
							5x5.4	1.8	95									
22	4x5.4	3.0	60	4x5.4	30.0	60	4x5.4	3.0	60	5x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	2.0	70
				5x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	1.0	120
33	4x5.4	3.0	60	4x5.4	3.0	60	4x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x7.7	1.0	120
	5x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140						
47	4x5.4	3.0	60	5x5.4	1.8	95	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	1.0	120
	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	0.60	230	6.3x7.7	0.60	230			
68	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.5	0.60	300
	6.3x5.4	1.0	140				6.3x7.7	0.6	230									
100	5x5.4	1.8	95	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	0.60	230	8x10.5	0.30	450	8x10.5	0.60	300
	6.3x5.4	1.0	140	6.3x7.7	0.6	230	6.3x7.7	0.60	230									
150	6.3x5.4	1.0	140	6.3x5.4	1.0	140	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.5	0.30	450	10x10.5	0.30	500
	6.3x7.7	0.6	230	6.3x7.7	0.60	230				8x10.5	0.30	450						
220	6.3x5.4	1.0	140				6.3x7.7	0.60	230	8x10.5	0.30	450	8x10.5	0.30	450	10x10.5	0.30	500
	6.3x7.7	0.60	230	6.3x7.7	0.60	230	8x10.5	0.30	450				10x10.5	0.15	670			
330	6.3x7.7	0.60	230	8x10.5	0.30	450	8x10.5	0.30	450	8x10.5	0.30	450	10x10.5	0.15	670	12.5x13.5	0.20	650
							10x10.5	0.15	670	10x10.5	0.15	670				16x16.5	0.12	1060
470	8x10.5	0.30	450	8x10.5	0.30	450	8x10.5	0.30	450	10x10.5	0.15	670	10x12.5	0.13	750	12.5x16	0.15	700
							10x10.5	0.15	670							16x16.5	0.12	1060
680	8x10.5	0.30	450	10x10.5	0.15	670	10x10.5	0.15	670	10x12.5	0.13	750	10x12.5	0.13	750	16x16.5	0.12	1060
													12.5x13.5	0.11	820			
1000	8x10.5	0.30	450	10x10.5	0.15	670	10x10.5	0.15	670	12.5x13.5	0.11	820	12.5x16	0.09	950	18x16.5	0.07	1500
	10x10.5	0.15	670							16x16.5	0.08	1260	16x16.5	0.08	1260			
1500	10x10.5	0.15	670	10x12.5	0.13	750	12.5x13.5	0.11	820	12.5x16	0.09	950	16x16.5	0.08	1260			
	10x12.5	0.13	750	12.5x13.5	0.11	820												
2200	10x12.5	0.13	750	12.5x16	0.09	950	12.5x16	0.09	950	16x16.5	0.08	1260	18x16.5	0.07	1500			
	12.5x13.5	0.11	820				16x16.5	0.08	1260									
3300	12.5x13.5	0.11	820	16x16.5	0.08	1260	16x16.5	0.08	1260	18x16.5	0.07	1500						
	12.5x16	0.09	950															
4700	16x16.5	0.08	1260	16x16.5	0.08	1260	18x16.5	0.07	1500									
6800	18x16.5	0.07	1500	18x16.5	0.07	1500												
8200	18x16.5	0.07	1500															

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

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

Frequency 频率 (Hz)			60Hz	120Hz	300Hz	1KHz	10KHz~
6.3 ~ 50v	Φ4 ~Φ10	0.1 ~ 68uF	0.40	0.50	0.64	0.83	1.00
		100 ~ 3300uF	0.45	0.55	0.70	0.85	1.00
	Φ12.5 ~Φ18	330 ~ 1000uF	0.50	0.65	0.80	0.90	1.00
		1500 ~ 8200uF	0.65	0.85	0.95	1.00	1.00

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