

RVN SERIES



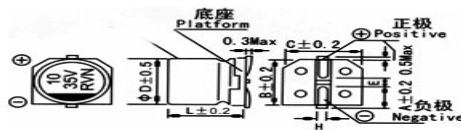
- A. 双极性
Bi-polarized
- B. 适用于再流焊
Reflow soldering is available
- C. 适用于高密度表面组装
Available for high density surface mounting
- D. 性能稳定, 可靠性高
High stability and reliability
- E. ROHS, REACH 指令已对应完毕
Adapted to the ROHS, REACH directive

主要技术性能 Specifications

使用温度范围 operating temperature range	-55~+105℃																											
额定电压范围 rated voltage range	6.3V~50V DC																											
标称电容量范围 nominal capacitance range	0.1~100μF																											
标称电容量允许偏差 capacitance tolerance	±20% (120Hz, 20℃)																											
漏电流(20℃) leakage current	1≤0.02C ₀ U _r (μA)或6μA取大者(2分钟) Less than 0.02C ₀ U _r (μA)or 6μA Whichever is greater(after 2minutes)																											
损耗角正切值 dissipation factor(120Hz 20℃)	<table><tr><td>U_r(V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>tg δ</td><td>0.35</td><td>0.26</td><td>0.24</td><td>0.20</td><td>0.18</td><td>0.18</td></tr></table>							U _r (V)	6.3	10	16	25	35	50	tg δ	0.35	0.26	0.24	0.20	0.18	0.18							
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耐久性 Load Life	+105℃施加额定电压1000小时后(每250小时换向一次)电容器应满足要求 After 1000 hours application of rated voltage at +105℃, (with the polarity inverted every 250hours) . The capacitor shall meet the following requirement: <table><tr><td>电容量变化率 Capacitance change</td><td>≤ ±30%初始值以内</td></tr><tr><td>漏电流值 Leakage</td><td>≤ 初始规定值</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤ 300%初始规定值</td></tr></table>							电容量变化率 Capacitance change	≤ ±30%初始值以内	漏电流值 Leakage	≤ 初始规定值	损耗角正切值 Dissipation factor	≤ 300%初始规定值															
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高温储存 Shelf Life	+105℃, 500小时, 恢复16小时后, 电容器应满足下列要求。 After storage for 500 hours at +105℃ and then resumed 16hours, the capacitor shall meet the following limits: <table><tr><td>电容量变化率 Capacitance change</td><td>≤ ±25%初始值以内</td></tr><tr><td>漏电流值 Leakage</td><td>≤ 2倍初始规定值</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤ 200%初始规定值</td></tr></table>							电容量变化率 Capacitance change	≤ ±25%初始值以内	漏电流值 Leakage	≤ 2倍初始规定值	损耗角正切值 Dissipation factor	≤ 200%初始规定值															
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耐焊接热 Resistance to soldering Heat	在250℃的条件下, 电容器应在热板上保持30秒, 然后从热板上取出电容器, 让其在温室下恢复, 电容器应满足以下要求: The capacitors shall be kept on the hot plate maintained at 250℃ for 30 seconds. After removing from the hot plate and restored at room temperature, then meet the following requirement: <table><tr><td>电容量变化率 Capacitance change</td><td>≤ ±10%初始值以内</td></tr><tr><td>漏电流值 Leakage</td><td>≤ 初始规定值</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤ 初始规定值</td></tr></table>							电容量变化率 Capacitance change	≤ ±10%初始值以内	漏电流值 Leakage	≤ 初始规定值	损耗角正切值 Dissipation factor	≤ 初始规定值															
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尺寸及印字 Dimensions&Marking

	Φ4×5.4	Φ5×5.4	Φ6.3×5.4	Φ6.3×7.7
A	1.8	2.1	2.4	2.4
B	4.3	5.3	6.6	6.6
C	4.3	5.3	6.6	6.6
E	1.0	1.3	1.8	1.8
L±0.1	5.4	5.4	5.4	7.8
H	0.5~0.8			



标称电容量、额定电压、额定纹波电流与外形尺寸对应表

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

V	6.3		10		16		25		35		50	
μF	D×Lmm	1~mA	D×Lmm	1~mA	D×Lmm	1~mA	D×Lmm	1~mA	D×Lmm	1~mA	D×Lmm	1~mA
0.1											4×5.4	1.0
0.22											4×5.4	2.0
0.33											4×5.4	2.8
0.47											4×5.4	3.4
1.0							5×5.4	8.8	4×5.4	8.8	4×5.4	5.5
2.2					4×5.4	12	5×5.4	15	5×5.4	12	5×5.4	10
3.3	4×5.4	14	4×5.4	14	5×5.4	20	6.3×5.4	25	5×5.4	15	5×5.4	13
4.7	4×5.4	25	6.3×5.4	28	6.3×5.4	32	6.3×5.4	47	6.3×5.4	23	6.3×5.4	16
10	6.3×5.4	30	6.3×5.4	35	6.3×5.4	43	6.3×7.7	56	6.3×7.7	48	6.3×7.7	32
22	6.3×5.4	39	6.3×7.7	55	6.3×7.7	68						
33	6.3×7.7	72										
47												
100												

1~额定纹波电流 Rated ripple current:(mA, 105℃, 120Hz)

额定纹波电流的频率系数

Frequency coefficient of rated ripple current

频率Frequency	50Hz	120Hz	300Hz	1KHz	≥10KHz
系数 Coefficient	0.80	1.00	1.17	1.30	1.50

注: 以上所提供的设计及特性参数仅供参考, 任何修改不做预先通知, 如在使用上有疑问, 请在采购前与我们联系, 以便提供技术上的协助。
Note: all designs and specifications are for reference only and are subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.