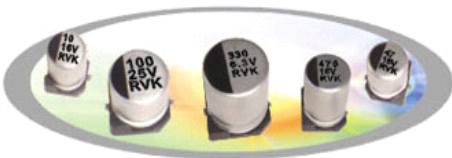


- A、工作温度范围宽（-55℃~+105℃）
B、低漏电SMD型,适用于回流焊型
C、寿命在105℃下为2000小时
D、性能稳定，可靠性高。
A、 Operating over wide temperature range
B、 The low electric leakage flow,Reflow soldering is available
C、 Lifetime:105℃,2000Hr
D、 High stability and reliability



※ 主要技术性能 Specifications

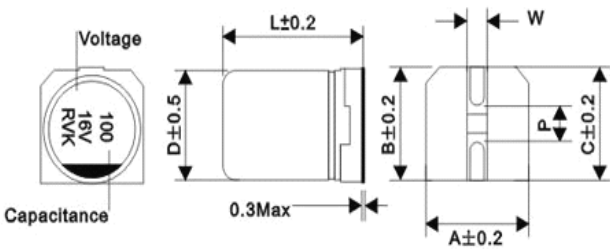
使用温度范围 Operating Temperature Range	-55~+105℃																					
额定电压范围 Rated Voltage Range	6.3V~50V DC																					
标称电容量范围 Nominal Capacitance Range	0.1~330μF																					
标称电容量允许偏差 Capacitance Tolerance	±20%(120Hz,+20℃)																					
漏电流（20℃） Leakage Current	1≤0.002C _R U _R (μA) 或 0.4 μA取大值（2分钟） Less than 0.002C _R U _R (μA) or 0.4 μA Whichever is greater(after 2 minutes)																					
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>tgδ</td><td>0.26</td><td>0.22</td><td>0.20</td><td>0.18</td><td>0.16</td><td>0.14</td></tr></table>	U _R (V)	6.3	10	16	25	35	50	tgδ	0.26	0.22	0.20	0.18	0.16	0.14							
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温度特性（120Hz） Temperature Characteristics Impedance Ratio(120Hz)	<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>Z_{25℃}/Z_{105℃}</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z_{40℃}/Z_{105℃}</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table>	U _R (V)	6.3	10	16	25	35	50	Z _{25℃} /Z _{105℃}	4	3	2	2	2	2	Z _{40℃} /Z _{105℃}	8	6	4	4	3	3
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Z _{40℃} /Z _{105℃}	8	6	4	4	3	3																
耐久性 Load Life	+105℃施加额定电压2000小时，恢复16小时后，电容器应满足要求 After applying rated voltage for 2000 hours at+105℃ and then resumed 16 hours.The capacitor shall meet the following limits. <table><tr><td>电容量变化率 Capacitance change</td><td>≤±20%初始值 ≤±20%of Initial measured value</td></tr><tr><td>漏电流值 Leakage</td><td>≤初始规定值 ≤Initial specified value</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤200%初始规定值 ≤200%of Initial specified value</td></tr></table>	电容量变化率 Capacitance change	≤±20%初始值 ≤±20%of Initial measured value	漏电流值 Leakage	≤初始规定值 ≤Initial specified value	损耗角正切值 Dissipation factor	≤200%初始规定值 ≤200%of Initial specified value															
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高温贮存 Shelf Life	+105℃，1000小时，恢复16小时后，电容器应满足下列要求。 After storage for 1000 hours at+105℃ and then resumed 16 hours, the capecitor shall meet the following limits. <table><tr><td>电容量变化率 Capacitance change</td><td>≤±20%初始值 ≤±20%of Initial measured value</td></tr><tr><td>漏电流值 Leakage</td><td>≤2倍的初始规定值 ≤200%of Initial specified value</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤200%初始规定值 ≤200%of Initial specified value</td></tr></table>	电容量变化率 Capacitance change	≤±20%初始值 ≤±20%of Initial measured value	漏电流值 Leakage	≤2倍的初始规定值 ≤200%of Initial specified value	损耗角正切值 Dissipation factor	≤200%初始规定值 ≤200%of Initial specified value															
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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，让其在室温下恢复，电容器应满足以下要求； The capacitors shall be kept on the hot plate maintained at 250℃ for 30 secnds.After removing form the hot plate and restored at room temperatue, then meet the following requirement. <table><tr><td>电容量变化率 Capacitance change</td><td>≤±10%初始值 ≤±10%of Initial measured value</td></tr><tr><td>漏电流值 Leakage</td><td>≤初始规定值 ≤Initial specified value</td></tr><tr><td>损耗角正切值 Dissipation factor</td><td>≤初始规定值 ≤ Initial specified value</td></tr></table>	电容量变化率 Capacitance change	≤±10%初始值 ≤±10%of Initial measured value	漏电流值 Leakage	≤初始规定值 ≤Initial specified value	损耗角正切值 Dissipation factor	≤初始规定值 ≤ Initial specified value															
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※ 尺寸及印字

Dimensions & Marking

mm

DΦ	L	A	B	C	W	P
4	5.5	4.3	4.3	5.1	0.5~0.8	1.0
5	5.5	5.3	5.3	5.9	0.5~0.8	1.3
6.3	5.5	6.6	6.6	7.2	0.5~0.8	1.8
8	6.5	8.3	8.3	9.0	0.8~1.1	3.1



※ 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	3.0
0.47											4×5.4	4.0
1.0											4×5.4	8.0
2.2											4×5.4	11
3.3											4×5.4	13
4.7							4×5.4	13	4×5.4	14	6.3×5.4	20
10					4×5.4	20	6.3×5.4	24	6.3×5.4	29	6.3×5.4	33
22	4×5.4	23	5×5.4	27	6.3×5.4	37	6.3×5.4	36	6.3×5.4	46	8×6.5	52
33	6.3×5.4	37	6.3×5.4	37	6.3×5.4	40	6.3×5.4	44	8×6.5	56	8×6.5	71
47	6.3×5.4	40	6.3×5.4	41	6.3×5.4	56	8×6.5	52	8×6.5	66		
100	6.3×5.4	57	8×6.5	64	8×6.5	86	8×6.5	90				
220	8×6.5	88	8×6.5	108								
330	8×6.5	136										

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	0.70	1.00	1.17	1.36	1.50

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

注:以上所提供的设计及特性参数仅供参考,任何修改不作预先通知,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。