

RTZ Series (NEW)

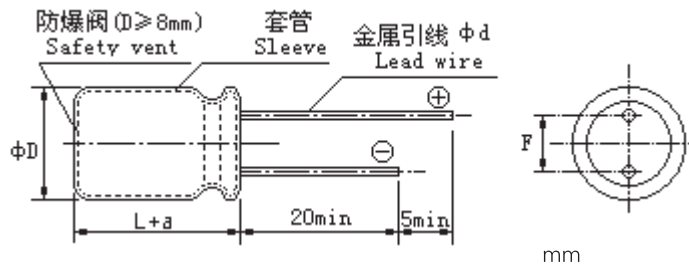
- 体积小, 容量大 • 105°C 3000~10000 小时
- 低阻抗, 长寿命, 符合 RoHS
- Small size, Large capacity • 105°C 3000~10000hours
- Low impedance, Long life, RoHS Compliance



■ 主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-40 ~ +105°C																												
额定电压范围 Rated Voltage Range	6.3 ~ 100V DC																												
标称电容量允许偏差 Capacitance Tolerance	± 20% (M)																												
漏电流 Leakage Current	I ≤ 0.01CV (μ A) 或 3 μ A 取较大者 (2 分钟) I ≤ 0.01CV 或 3 μ A Whichever is greater (after 2 minutes)																												
损耗角正切值 Dissipation Factor (120Hz 20°C)	<table border="1"> <tr> <th>W.V.</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> <tr> <td>tg δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </table> <p>容量大于 1000 μ F 者, 每增加 1000 μ F, 其损耗角正切值增加 0.02 For capacitance exceeding 1000 μ F, add 0.02 per increment of 1000 μ F</p>		W.V.	6.3	10	16	25	35	50	63	100	tg δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08									
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温度特性 (20Hz) Temperature Characteristics Impedance ratio 120Hz)	<table border="1"> <tr> <th>W V</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> <tr> <td>Z-25 / Z-20</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40 / Z-20</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>		W V	6.3	10	16	25	35	50	63	100	Z-25 / Z-20	4	3	2	2	2	2	2	2	Z-40 / Z-20	8	6	4	3	3	3	3	3
W V	6.3	10	16	25	35	50	63	100																					
Z-25 / Z-20	4	3	2	2	2	2	2	2																					
Z-40 / Z-20	8	6	4	3	3	3	3	3																					
耐久性 Load Life	<p>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.</p> <table border="1"> <tr> <td>电容量变化率 Capacitance Change</td> <td>≤ ± 25% 初始测量值 ≤ ± 25% of Initial value</td> <td>Case Size</td> <td>6.3~10V</td> <td>16~100V</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤ 规定值 ≤ The specified value</td> <td>ΦD=5</td> <td>3000</td> <td>4000</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤ 2 倍规定值 ≤ 200% of the specified value</td> <td>ΦD=6.3/8</td> <td>4000</td> <td>5000</td> </tr> <tr> <td></td> <td></td> <td>ΦD ≥ 10</td> <td>7000</td> <td>10000</td> </tr> </table>		电容量变化率 Capacitance Change	≤ ± 25% 初始测量值 ≤ ± 25% of Initial value	Case Size	6.3~10V	16~100V	漏电流值 Leakage	≤ 规定值 ≤ The specified value	ΦD=5	3000	4000	损耗角正切值 Dissipation Factor	≤ 2 倍规定值 ≤ 200% of the specified value	ΦD=6.3/8	4000	5000			ΦD ≥ 10	7000	10000							
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高温贮存 Shelf Life	<p>+105°C, 1000 小时, 然后按 JISC5101-4 第 4.1 项预处理后测量 After storage for 1000 hours at +105°C, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JISC5101-4.</p> <table border="1"> <tr> <td>电容量变化率 Capacitance Change</td> <td>≤ ± 20% 初始测量值 ≤ ± 20% of Initial measured value</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤ 规定值 ≤ The specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤ 2 倍规定值 ≤ 200% of the specified value</td> </tr> </table>		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



ΦD ± 0.5	a: 1.5			a: 2.0		
	5	6.3	8	10	12.5 or 13	16
L	11	11	12, 16	12, 16, 20	20, 25	25
F ± 0.5	2.0	2.5	3.5	5.0		7.5
Φd ± 0.05	0.5		0.6		0.8	

RTZ Series (NEW)

■ 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

WV Parameter μ F	6.3V (0J)			10V (1A)			16V (1C)			25V (1E)		
	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)
47 (470)										5×11	210	0.58
100 (101)				5×11	210	0.58				6.3×11	340	0.22
220 (221)	5×11	230	0.55	6.3×11	340	0.22				8×12	640	0.13
330 (331)	6.3×11	340	0.22	6.3×11	420	0.15	8×12	640	0.13	8×16	840	0.087
470 (471)	6.3×11	380	0.20	8×12	640	0.13	8×16	840	0.087	10×16	1210	0.065
680 (681)	8×12	640	0.13	10×12	865	0.08	10×16	1210	0.060	10×20	1400	0.046
1000 (102)	8×16	840	0.087	10×16	1210	0.06	10×20	1400	0.046	12.5×20	1900	0.035
1500 (152)	10×20	1400	0.046	10×25	1650	0.042	12.5×20	1900	0.035	12.5×25	2230	0.027
2200 (222)	10×25	1650	0.042	12.5×20	1900	0.035	12.5×25	2230	0.027	12.5×35	2880	0.021
2700 (272)	-	-	-	-	-	-	16×20	2530	0.027	16×25	2930	0.021
3300 (332)	12.5×20	1900	0.035	12.5×25	2230	0.027	12.5×35	2880	0.022			
4700 (472)	12.5×30	2650	0.025	16×25	2880	0.025	16×25	2820	0.022			
6800 (682)	16×25	2930	0.023	16×25	2880	0.025						

WV Parameter μ F	35V (1V)			50V (1H)			63V (1J)			100V (2A)		
	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)	ΦD×L	I(mA)	Z(Ω)
22 (220)				5×11	100	1.50				6.3×11	120	1.2
33 (330)				5×11	160	0.75				8×12	235	0.63
47 (470)	5×11 6.3×11	210 280	0.58 0.30	6.3×11	180	0.35	6.3×11	120	1.0	10×12	288	0.43
100 (101)	6.3×11	340	0.22	8×12	550	0.19	8×16	330	0.42	10×25	531	0.20
150 (151)	8×12	640	0.13	10×12	750	0.15	10×16	360	0.31	12.5×20	690	0.16
220 (221)	8×16	870	0.087	10×16	990	0.10	10×25	531	0.20	16×20	1040	0.091
330 (331)	10×16	1210	0.060	10×25	1435	0.06	12.5×25	784	0.12			
470 (471)	10×20	1400	0.046	12.5×20	1600	0.05	16×20	1040	0.095			
1000 (102)	12.5×25	2230	0.027	16×25	2200	0.032						
1500 (152)	12.5×35	2880	0.021									

I~ 额定纹波电流 Rated ripple current: (mA, 105°C, 100KHz)

Z~ 阻抗值 Impedance: (Ω , 20°C, 100KHz)