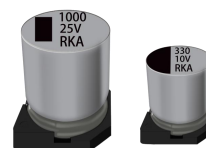


VZR Series 片式铝电解电容器低阻抗长寿命品

Long Life Aluminum Electrolytic Capacitor of V-chip Type

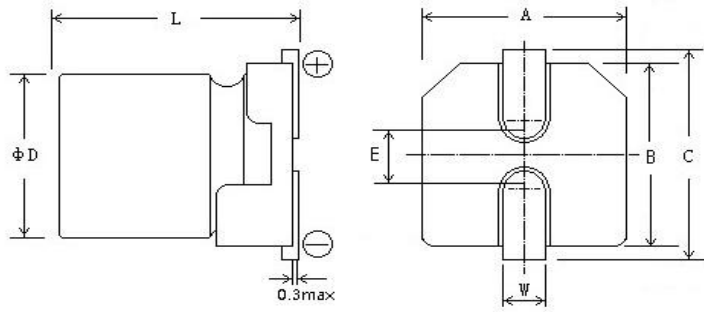
- 适用于回流焊 ● 适用于高密度表面组装
- 性能稳定、可靠性高。 ● 低阻抗品 ● 寿命: +105℃, 5000~10000 小时。
- Reflow soldering is available ● Available for high density surface mounting
- High stability and reliability ● Lower Impedance ● Lifetime: +105℃, 5000~10000 Hrs.



主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-40~+105℃							
额定电压范围 Rated Voltage Range	6.3~50V DC							
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20℃)							
漏电流(20℃) Leakage Current	I ≤ 0.01CV(μA) 或 3 μA 取较大者, (2 分钟) I ≤ 0.01CV(μA) or 3 μA Whichever is greater (after 2 minutes) I=Leakage Current(μA), C=Capacitance(μF), V=Rated DC Working Voltage(V)							
损耗角正切值 Dissipation Factor (120Hz 20℃)	Rated Voltage (Vdc)	6.3	10	16	25	35	50	
	φ 6.3~10	0.32	0.28	0.26	0.16	0.14	0.14	
	φ 12.5~18	0.30	0.26	0.22	0.16	0.14	0.12	
0.02 is added to every 1000μF increase over 1000μF								
温度特性 (120Hz) Temperature Characteristics Impedance Ratio (120Hz)	WV	6.3	10	16	25	35	50	
	Z _{-40℃} / Z _{+20℃}	4	4	4	4	3	3	
耐久性 Load Life	在 105℃ 的规定时间内施加额定电压后, 电容器应满足以下要求。 After applying rated voltage for specified time at 105℃, the capacitors shall meet the following requirements.							
	电容量变化率 Capacitance Change	≤ ±30% 初始测量值 ≤ ±30% of Initial measured value				Case Size		Life Time (hrs)
	漏电流值 Leakage	≤ 规定值 ≤ The specified value				φ D=6.3		L=6.0 5000 L=7.7 6000
	损耗角正切值 Dissipation Factor	≤ 3 倍规定值 ≤ 300% of the specified value				φ D=8, 10		8000
						φ D ≥ 12.5		10000
高温贮存 Shelf Life (105℃)	试验时间: 1000 小时, 其他项目与耐久性相同。电压应用处理: 根据 JIS C5101-4.1 Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1							
额定纹波电流频率系数 Coefficient of Frequency for Rated Ripple Current	Frequency	120Hz	1KHz	10KHz	100KHz			
	Coefficient	10~33μF	0.45	0.75	0.90	1.00		
		47~100μF	0.50	0.80	0.95	1.00		
		220~8200μF	0.60	0.85	0.95	1.00		

■外形图 Outline Drawing



单位 Unit : mm

Size	6.3×6.0	6.3×7.7	8×10.2	10×10.2	12.5×13.5	12.5×16	16×16.5	16×21.5	18×16.5	18×21.5
A/B±0.2	6.6	6.6	8.3	10.3	13.0	13.0	17.0	17.0	19.0	19.0
D±0.5	6.3	6.3	8.0	10	12.5	12.5	16.0	16.0	18.0	18.0
E±0.2	2.2	2.2	3.1	4.5	5.2	5.2	6.5	6.5	6.5	6.5
L	6.0	7.7	10.2	10.2	13.5	16.0	16.5	21.5	16.5	21.5
C±0.2	7.2	7.2	9.0	11.0	13.8	13.8	18	18	20	20
W	0.5~0.9		0.8~1.1		1.1~1.4					

■ 规格壳号、最大允许纹波电流及阻抗值

Standard sizes & Maximum permissible ripple current & impedance

WV Cap(μF)	6.3V			10V			16V		
	ΦD×L (mm)	Z max (Ω)	I (mA)	ΦD×L (mm)	Z max (Ω)	I (mA)	ΦD×L (mm)	Z max (Ω)	I (mA)
330				8×10.2	0.15	600	8×10.2	0.15	600
470	8×10.2	0.15	600				10×10.2	0.12	850
680				10×10.2	0.12	850			
820	10×10.2	0.12	850						
1500							12.5×13.5	0.092	950
1800				12.5×13.5	0.092	950	12.5×16	0.074	1200
2200	12.5×13.5	0.092	950	12.5×16	0.074	1200	16×16.5	0.066	1450
2700	12.5×16	0.074	1200						
3300				16×16.5	0.066	1450	18×16.5	0.064	1550
3900	16×16.5	0.066	1450						
4700				18×16.5	0.064	1550	16×21.5	0.041	2000
5600	18×16.5	0.064	1550	16×21.5	0.041	2000	18×21.5	0.039	2150
6800	16×21.5	0.041	2000	18×21.5	0.039	2150			
8200	18×21.5	0.039	2150						

I~额定纹波电流 Rated ripple current: (mA, 105°C, 100KHz), Z 阻抗值 Impedance: (Ω, 20°C, 100KHz)

■ 规格壳号、最大允许纹波电流及阻抗值

Standard sizes & Maximum permissible ripple current & impedance

wv Cap(μF)	25V			35V			50V		
	ΦD×L (mm)	Z max (Ω)	I (mA)	ΦD×L (mm)	Z max (Ω)	I (mA)	ΦD×L (mm)	Z max (Ω)	I (mA)
10				6.3×6.0	1	140	6.3×6.0	1	140
22				6.3×6.0	1	140			
33				6.3×6.0	1	140	6.3×7.7	0.7	230
47				6.3×7.7	0.7	230	8×10.2	0.36	350
100	6.3×7.7	0.7	230	8×10.2	0.15	600	10×10.2	0.25	670
220	8×10.2	0.15	600	10×10.2	0.12	850			
330	10×10.2	0.12	850				12.5×13.5	0.18	850
390							12.5×16	0.15	950
470				12.5×13.5	0.092	950	16×16.5	0.12	1200
680				12.5×16	0.074	1200			
820							18×16.5	0.12	1300
1000	12.5×13.5	0.092	950	16×16.5	0.066	1450	16×21.5	0.08	1600
1200	12.5×16	0.074	1200						
1500	16×16.5	0.066	1450	18×16.5	0.064	1550	18×21.5	0.072	1650
2200	18×16.5	0.064	1550	16×21.5	0.041	2000			
2700	16×21.5	0.041	2000	18×21.5	0.039	2150			
3300	18×21.5	0.039	2150						

I~额定纹波电流 Rated ripple current: (mA, 105°C,100KHz), Z 阻抗值 Impedance: (Ω,20°C,100KHz)