



ALUMINUM ELECTROLYTIC CAPACITORS

SKZ

Super Low Impedance and high frequency (+105°C 高频超低阻抗)

Series

- Features :105°C 2000 hours, Super Low impedance , high permissible ripple current

特点:超低阻抗,高纹波电流,105°C 2000小时.

- Recommended Applications :Apply to the power adapter, switching power supply,

charger power supply high frequency electronic circuit
适用于适配器电源,开关电源,充电器电源高频电子线路中.

- Corresponding product to RoHS (2011/65/EU)

符合RoHS要求的相应产品(2011/65/EU)

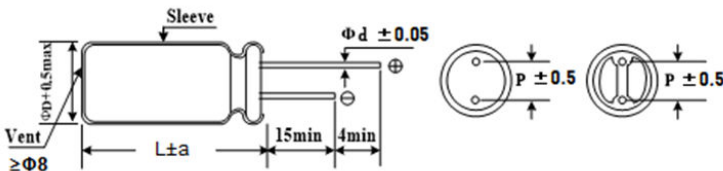
- Specifications(技术性能)



Item 项目	Characteristics 性能															
Operating Temperature Range 温度范围	-40 ~ +105°C															
Rated Voltage Range 电压范围	6.3 ~ 35VDC															
Rated Capacitance Range 容量范围	100~ 6800µF															
Capacitance Tolerance 容量偏差	± 20 % at 120Hz, 20°C															
Leakage Current (MAX) (20°C) 泄漏电流	I=0.01CV or 3(µA) whichever is greater.															
	After rated voltage applied for 2 min 两者取较大值, 2分钟测试															
Dissipation Factor 损耗角 (tanδ) (120Hz, 20°C)	<table border="1"> <tr> <td>WV(V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <td>tan δ</td> <td>18</td> <td>16</td> <td>14</td> <td>12</td> </tr> </table>	WV(V)	6.3	10	16	25	tan δ	18	16	14	12					
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Capacitance > 1000µF, add 0.02per another 1000µF. 容量大于1000uF每增加1000uF损耗角增加0.02.																
Low Temperature Stability Impedance Ratio (MAX) 低温阻抗比	<table border="1"> <tr> <td>WV Z(120Hz)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> </tr> </table>	WV Z(120Hz)	6.3	10	16	25	Z-25°C / Z+20°C	4	3	2	2	Z-40°C / Z+20°C	8	6	4	3
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	Z-25°C / Z+20°C	4	3	2	2											
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After applying rated voltage for 2000 hours at 105°C. the capacitors shall meet the following requirements. 在105°C环境下连续施加额定电压2000小时后,符合以下要求.																
High Temperature Load Life 高温负载耐久性	<table border="1"> <tr> <td>Capacitance Change 容量</td> <td>Within ± 20 % of initial value 在初始值的±20%</td> </tr> <tr> <td>Dissipation Factor 损耗角</td> <td>Not more than 200% of the specified value 不超过标准值的200%</td> </tr> <tr> <td>Leakage Current 泄漏电流</td> <td>Initial specified value or less 标准值内</td> </tr> </table>	Capacitance Change 容量	Within ± 20 % of initial value 在初始值的±20%	Dissipation Factor 损耗角	Not more than 200% of the specified value 不超过标准值的200%	Leakage Current 泄漏电流	Initial specified value or less 标准值内									
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High Temperature Shelf Life 高温放置耐久性	After leaving capacitors under no load at 105°C for 1000 hours.the capacitors shall meet the same requirement as Endurance. 在105°C环境下不加负载放置1000小时后电性能同耐久性要求.															

Diagram of Dimensions

外形尺寸



Unit: mm

ΦD	5	6.3	8	10	13	16	18	22
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5	10.0
Φd	0.5	0.5	0.5	0.6	0.6	0.8	0.8	1.0
a	(L < 20) 1.5		(L ≥ 20) 2.0					

Multiplier for Ripple Current

(1) Frequency Coefficient (频率系数)

Freq. (Hz)	120	1k	10k	100k
Cap(µf)				
100~470	0.60	0.85	0.94	1.00
680~1800	0.60	0.87	0.95	1.00
2200~6800	0.80	0.90	0.95	1.00

(2) Temperature Coefficient(温度系数)

Temperature (°C)	-40	60	70	85	105
Factor	2.33	2.17	2.00	1.75	1.00



ALUMINUM ELECTROLYTIC CAPACITORS

SKZ Super Low Impedance and high frequency (+105℃ 高频超低阻抗) Series

■ DIMENSIONS Rated Capacitors, Voltage(Surge),Case Size,Imp,Ripple Current .容量、电压(浪涌电压)、尺寸、阻抗、纹波电流.

Capacitance (μF)	Rated (Surge) Voltage (V)											
	6.3 (8)			10 (13)			16 (20)			25 (32)		
	Size	Imp	Ripple	Size	Imp	Ripple	Size	Imp	Ripple	Size	Imp	Ripple
100				5x11	0.200	310	6.3x12	0.160	409	6.3x12	0.130	455
220				6.3x12	0.089	611	6.3x12	0.077	658	8x12	0.048	856
				8x12	0.065	735	8x12	0.056	793			
330				6.3x12	0.059	751	8x12			8x12	0.040	938
				8x12	0.053	905						
470				6.3x12	0.053	905	8x12	0.032	1049	8x14	0.030	1158
				8x12	0.049	1017	10x12	0.032	1193	10x12	0.030	1274
680				8x12	0.047	1049	8x16	0.030	1228	10x16	0.026	1495
							10x12	0.030	1232	10x20	0.024	1716
820	8x12	0.042	915	8x12	0.045	1232	10x16	0.028	1441	10x20	0.022	1792
1000	8x16	0.036	1120	8x12	0.043	1271	8x20	0.025	1487	10x16	0.022	1625
	10x12	0.036	1124	10x12	0.038	1275	10x16	0.023	1590	10x20	0.019	1928
				10x16	0.034	1495				13x20	0.017	2364
1500	8x20	0.026	1458	8x20	0.023	1550	10x20	0.019	1929	13x20	0.016	2436
	10x16	0.026	1495	10x16	0.023	1592				13x25	0.016	2685
2200	10x16	0.022	1625	13x20	0.018	2297	10x30	0.016	2526	13x20	0.015	2516
	10x20	0.020	1880	10x25	0.018	2191				13x25	0.015	2773
3300	10x20	0.018	1981	13x25	0.016	2685	16x25	0.014	3227	13x25	0.014	2870
	10x25	0.017	2254							16x25	0.014	3226
	13x20	0.017	2363									
6800	16x25	0.015	3117				16x30	0.014	3494			

☆ Size: Φ Dx L (mm) ☆ Ripple Current: (mA/rms), 105℃,100KHz ☆ Impedance (Ω),20℃,100KHz