



# ALUMINUM ELECTROLYTIC CAPACITORS

## SKE

7mm/9mm height (7mm/9mm高, +105°C标准品)

Series

- Features : 105°C 1000 hours , 7.0/9.0mm height

特点: +105°C 1000小时, 7mm/9mm高

- Recommended Applications : Audio equipment, communication equipments, switching power supply, industrial measuring instruments, automotive electric products, etc.

适用于音频设备、通信设备、开关电源、工业测量仪、汽车电子产品等。

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

符合RoHS要求的相应产品(2011/65/EU)

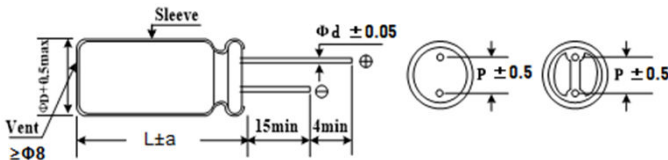


- Specifications(技术性能)

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 ~ 63VDC																																
Rated Capacitance Range 容量范围	0.1 ~ 1000µF																																
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 minutes ) 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> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan δ</td> <td>0.24</td> <td>0.20</td> <td>###</td> <td>###</td> <td>###</td> <td>###</td> <td>###</td> </tr> </table>	WV(V)	6.3	10	16	25	35	50	63	tan δ	0.24	0.20	###	###	###	###	###																
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Low Temperature Stability Impedance Ratio (MAX) 低温阻抗比	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z(120Hz)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</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>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	WV	6.3	10	16	25	35	50	63	Z(120Hz)								Z-25°C / Z+20°C	4	3	2	2	2	2	2	Z-40°C / Z+20°C	8	6	4	4	3	3	3
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High Temperature Load Life 高温负荷耐久性	After applying rated voltage for 1000 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1000小时后, 符合以下要求.																																
	<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	4	5	6.3	8
P	1.5	2.0	2.5	2.5/3.5
φd	0.45			0.50
a	1.0			

- Multiplier for Ripple Current

(1) Frequency Coefficient (频率系数)

Frequency (Hz)	50	120	300	1K	10K~
≤47uF	0.75	1.00	1.35	1.57	2.00
56uF~1000uF	0.80	1.00	1.23	1.34	1.50

(2) Temperature Coefficient(温度系数)

Temperature (°C)	-40	65	70	85	105
Factor	2.2	###	###	###	###



# ALUMINUM ELECTROLYTIC CAPACITORS

**SKE** 7mm/9mm height (7mm/9mm高, +105°C 标准品)  
Series

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

Capacitance (μF)														
	6.3 (8)		10 (13)		16 (20)		25 (32)		35 (44)		50 (63)		63 (79)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4x7	1	4x7	1
0.22											4x7	2	4x7	2
0.33											4x7	3	4x7	4
0.47											4x7	5	4x7	6
0.68											4x7	6		
1.0											4x7	10	4x7	13
2.2					4x7	7					4x7	19	4x7	21
3.3					4x7	13					4x7	24	4x7	26
4.7					4x7	19	4x7	24	4x7	24	4x7	29	4x7	26
									5x7	24	5x7	31	6.3x7	33
10					4x7	29	4x7	33	4x7	34	4x7	37	5x7	42
							5x7	35	5x7	36	5x7	45	6.3x7	50
							6.3x7	35			6.3x7	45		
22	4x7	37	4x7	31	4x7	36	4x7	43	5x7	48	6.3x7	65		
			5x7	38	5x7	44	5x7	51	6.3x7	57				
							6.3x7	53						
33	5x7	42	4x7	39	4x7	50	5x7	55	6.3x7	70				
			5x7	47	5x7	57	6.3x7	65						
47	4x7	46	4x7	50	5x7	75	5x7	67	6.3x7	81				
	5x7	55	5x7	60	6.3x7	77	6.3x7	79						
			6.3x7	60										
68					5x7	84								
100	5x7	75	5x7	85	5x7	94	6.3x7	120						
	6.3x7	90	6.3x7	100	6.3x7	110	8x7	120						
150					6.3x7	120								
220	6.3x7	130	6.3x7	135	6.3x7	125								
					8x7	140								
330	8x7	140			8x9	155								
470	8x7	160	8x9	165										
680	8x9	210	8x9	220										
1000	8x9	300												

☆ Size: ΦDx L (mm)

☆ Ripple Current: (mA/rms), 105°C, 120Hz