

SC

特点 Features

- 保证85°C 1000小时。Endurance : 1000h at 85°C.
- 额定电压范围 : 6.3~63V。Rated Voltage Range : 6.3~63V.
- 低高度 7 (9) mm L。Low Profile 7 (9) mm L.
- 满足RoHS。RoHS Compliant.



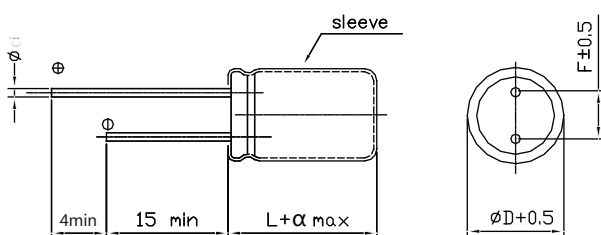
主要技术性能 Specifications

项目 Item	特性 Performance Characteristics																									
类别温度范围 Category Temperature Range	-40~+85°C																									
额定电压范围 Rated Voltage Range (U _R)	6.3~63V																									
标称电容量范围 Rated Capacitance Range(C _R)	0.1~470μF	120Hz, +20°C																								
标称电容量允许偏差 Rated Capacitance Tolerance(C _T)	±20%(M)	120Hz, +20°C																								
漏电流 Leakage Current(I _L)	≤0.01C _R U _R 或者3μA 取较大值 (Whichever is greater)	+20°C after 2 minutes																								
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <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> <td>63</td> </tr> <tr> <td>Tanδ</td> <td>0.22</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>10</td> </tr> </table>	U _R (V)	6.3	10	16	25	35	50	63	Tanδ	0.22	0.20	0.16	0.14	0.12	0.10	10	Max. 120Hz, +20°C								
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Tanδ	0.22	0.20	0.16	0.14	0.12	0.10	10																			
低温特性 Characteristics at low temperature	<table border="1"> <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> <td>63</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>	U _R (V)	6.3	10	16	25	35	50	63	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	Max. 120Hz
U _R (V)	6.3	10	16	25	35	50	63																			
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																			
耐久性 Load life	+85°C, 不超过额定电压的范围内叠加额定纹波电流, 连续加载额定电压1000小时, 恢复16小时后 : Overlay the rated ripple current within the range of rated voltage and continuously load the rated voltage for 1000 hours +85 °C ; and recover for 16 hours: 电容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏 电 流 Leakage current : ≤初始规定值 Not more than specified value																									
高温贮存 Shelf life	+85°C, 1000小时贮存后, 恢复16小时后 : After storage for 1000 hours at +85°C and then resumed for 16 hours: 电容量变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value 损耗角正切值 Tanδ : ≤2倍初始规定值 Not more than 200% of specified value 漏 电 流 Leakage current : ≤2倍初始规定值 Not more than 200% of specified value																									

频率修正系数 Frequency Coefficient

C _R (μF)	Frequency (Hz)			
	60	120	1K	≥10k
0.1 ~ 68	0.8	1	1.3	1.5
100 ~ 470	0.8	1	1.15	1.2

尺寸图 Dimension drawings



单位 Unit: mm

D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	
α(max)	L < 9, α=1; L=9, α=1.5			
β(max)	0.5			

规格特性表
Table of specifications and characteristics

U _R (V) C _R (μF)	6.3		10		16		25		35		50		63	
	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm³mm	I _{AC,max} 120Hz 85°C mA
0.1											4×7	1.2		
0.22											4×7	2.5		
0.33											4×7	3.5		
0.47											4×7	5.0		
1					4×7	7					4×7	10	4×7	12
2.2									4×7	13	4×7	17	4×7	18
3.3							4×7	13	4×7	18	4×7	23	5×7	25
4.7					4×7	16	4×7	20	4×7	22	4×7	24	5×7	26
10			4×7	21	4×7	28	4×7	30	4×7	31	5×7	34	6.3×7	48
									5×7	33	6.3×7	45		
22	4×7	35	4×7	36	4×7	40	5×7	50	6.3×7	55	6.3×7	58		
33	4×7	40	4×7	43	4×7	45	5×7	52	6.3×7	65	6.3×7	53		
					5×7	55			8×7	75	8×7	80		
											8×9	90		
47	4×7	44	4×7	51	5×7	65	5×7	45	6.3×7	68	8×9	100		
			5×7	58	6.3×7	75	6.3×7	70	8×7	90				
100	5×7	75	5×7	80	6.3×7	95	6.3×7	75	8×7	120				
							8×7	115						
							8×9	126						
220	6.3×7	120	6.3×7	135	8×7	160								
					8×9	180								
330	8×7	160	8×7	180	8×7	180								
	8×9	176	8×9	198										
470	8×7	180	8×7	185										
	8×9	198	8×9	203										

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW