

NS

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（7mm L）双极性。Low Profile(7mm L) Bi-polar.
- 适用于信号耦合等极性需反转变换电路。
Used in circuits what polarity is reversed, such as signal coupling, etc.
- 满足RoHS。RoHS Compliant.



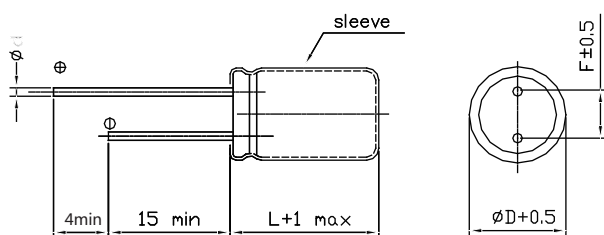
主要技术性能 Specifications

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																									
标称电容范围 Rated Capacitance Range(C _R)	0.1~100μF	120Hz, +20°C																								
标称电容允许偏差 Rated Capacitance Tolerance(C _T)	±20%(M)	120Hz, +20°C																								
漏电流 Leakage Current(I _L)	≤0.05C _R U _R 或者10μA 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>0.26</td> <td>0.22</td> <td>0.20</td> <td>0.18</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> </tr> </table>	U _R (V)	6.3	10	16	25	35	50	63	Tanδ	0.26	0.22	0.20	0.18	0.16	0.14	0.12	Max. 120Hz, +20°C								
U _R (V)	6.3	10	16	25	35	50	63																			
Tanδ	0.26	0.22	0.20	0.18	0.16	0.14	0.12																			
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 (每250小时反转极性一次), 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(with the polarity inverted every 250 hours), Rrecover for 16 hours ; 电容变化率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 recovery 16 hours: 电容变化率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

Frequency (Hz)	Kf			
	60	120	1K	≥10K
0.1~68	0.8	1	1.45	1.7
100	0.8	1	1.35	1.5

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	

规格特性表
Table of specifications and characteristics

C _R (μF)	U _R (V)	6.3		10		16		25		35		50		63	
		ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 85°C mA
0.1												4×7	0.8		
0.22												4×7	2.0		
0.33												4×7	3.0		
0.47												4×7	4.0		
1												4×7	8.5	4×7	11
2.2												4×7	14	5×7	18
3.3								4×7	13	4×7	16	5×7	19	6.3×7	23
4.7						4×7	16	5×7	18	5×7	22	6.3×7	25	8×7	28
10				4×7	21	5×7	26	6.3×7	29	6.3×7	32	8×7	40		
22		4×7	29	4×7	33	6.3×7	39	6.3×7	43	8×7	48				
33		5×7	37	5×7	45	6.3×7	48	8×7	53						
47		6.3×7	48	5×7	53	8×7	63								
100		8×7	75	6.3×7	82										

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW