

KF

特点 Features

- 保证105°C 1000小时。Endurance : 1000h at 105°C.
- 额定电压范围：4~50V。Rated Voltage Range: 4~50V.
- 低高度 (5mm L)。Low Profile(5mm L).
- 满足RoHS。RoHS Compliant.



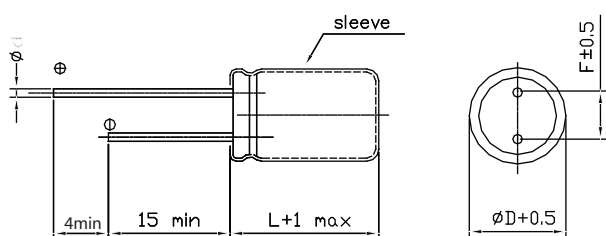
主要技术性能 Specifications

项目 Item	特性 Performance Characteristics																									
类别温度范围 Category Temperature Range	-40~+105°C																									
额定电压范围 Rated Voltage Range (U _R)	4~ 50V																									
标称电容范围 Rated Capacitance Range(C _R)	0.1~220µF	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)	≤0.01C _R U _R 或者3µA 取较大值 (Whichever is greater)																									
损耗角正切值 Tangent of loss angle(Tanδ)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Tanδ</td> <td>0.35</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table>	U _R (V)	4	6.3	10	16	25	35	50	Tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10	Max. 120Hz, +20°C								
U _R (V)	4	6.3	10	16	25	35	50																			
Tanδ	0.35	0.24	0.20	0.16	0.14	0.12	0.10																			
低温特性 Characteristics at low temperature	<table border="1"> <thead> <tr> <th>U_R(V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z_{-25°C} / Z_{+20°C}</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z_{-40°C} / Z_{+20°C}</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	U _R (V)	4	6.3	10	16	25	35	50	Z _{-25°C} / Z _{+20°C}	7	4	3	2	2	2	2	Z _{-40°C} / Z _{+20°C}	15	10	8	6	4	3	3	Max. 120Hz
U _R (V)	4	6.3	10	16	25	35	50																			
Z _{-25°C} / Z _{+20°C}	7	4	3	2	2	2	2																			
Z _{-40°C} / Z _{+20°C}	15	10	8	6	4	3	3																			
耐久性 Load life	+105°C, 不超过额定电压的范围下叠加额定纹波电流, 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+105°C ; and recover for 16 hours: 电容变化率Capacitance change : ±25%初始测量值以内 within ±25% of initial value (4V : ≤±30%) 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	+105°C,1000小时贮存后,恢复16小时后: After storage for 1000 hours at +105°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 (4V : ≤±30%) 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	1.3	1.5
100 ~ 220	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			

规格特性表
Table of specifications and characteristics

U _R (V) C _R (μF)	4		6.3		10		16		25		35		50	
	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA	ΦD×L mm*mm	I _{AC,max} 120Hz 105°C mA
0.1													4×5	1.0
0.22													4×5	2.6
0.33													4×5	3.2
0.47													4×5	3.8
1													4×5	6.2
2.2													4×5	11
3.3													4×5	14
4.7									4×5	13	4×5	15	5×5	19
10			4×5	13	4×5	15	4×5	18	5×5	23	5×5	25	6.3×5	30
22	4×5	22	4×5	22	5×5	27	5×5	30	6.3×5	38	6.3×5	48	8×5	60
33	5×5	30	5×5	30	5×5	35	6.3×5	40	6.3×5	48				
47	5×5	36	5×5	36	6.3×5	46	6.3×5	50	6.3×5	55				
100	6.3×5	60	6.3×5	60	6.3×5	65	6.3×5	75	8×5	80				
220	8×5	100	8×5	110	8×5	120								

ALUMINIUM ELECTROLYTIC CAPACITORS

SMD

MINIATURE

BI-POLAR

STANDARD

LOW-ESR

HIGH RELIABILITY

SNAP-IN

SCREW