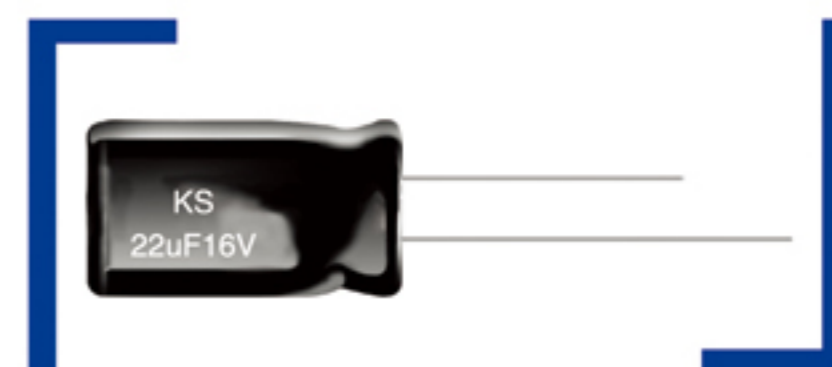


KS 宽温度品

- ◎7mm高度，105℃。7mmL，105℃。
- ◎适用于汽车电子等线路中
Used in car electronic circuits, etc.
- ◎ROHS指令已对应完毕。
Adapted to the ROHS directive.



主要技术性能 Specifications

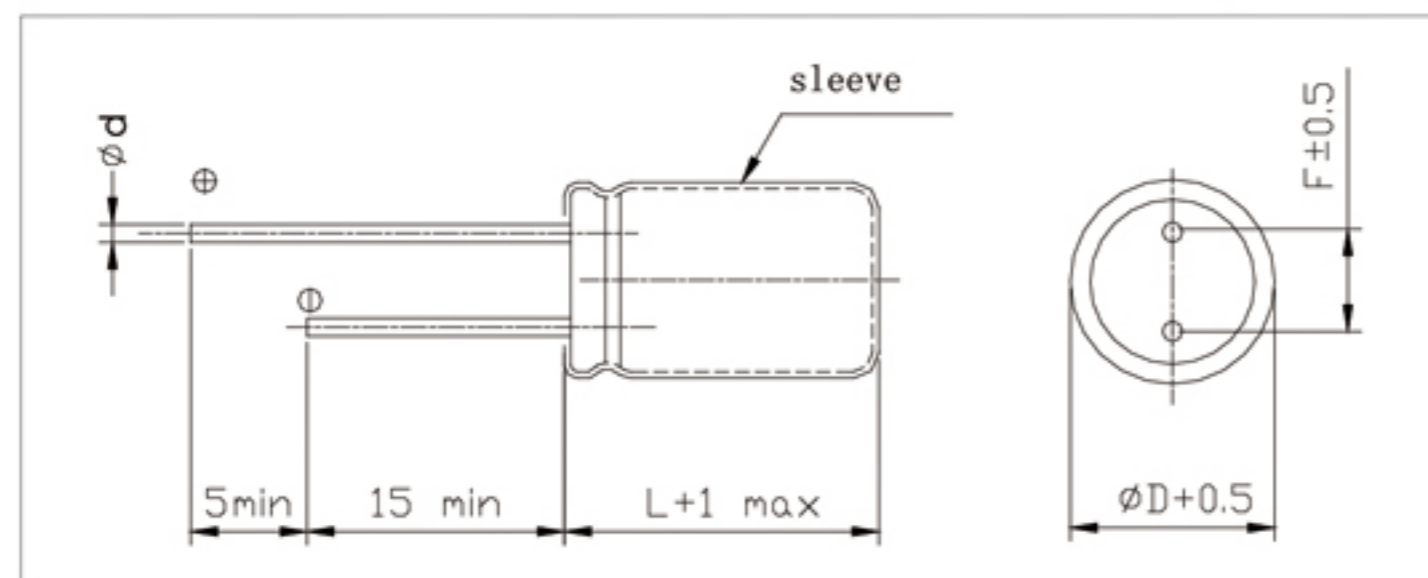
项目 Item	特性 Performance Characteristics																								
使用温度范围 Operating temperature range	-40 ~ +105℃																								
额定电压范围 Rated voltage range	6.3 ~ 63 V																								
标称容量范围 Nominal capacitance range	0.1~ 470 μ F																								
标称容量允许偏差 Capacitance tolerance	±20% (120Hz, +20℃)																								
漏电流 Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ 2分钟(at 20℃,after 2 minutes) 取较大者(whichever is greater)																								
损耗角正切值 (tg δ) Dissipation factor(+20℃, 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>tg δ</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>0.10</td> </tr> </tbody> </table>	U _R (V)	6.3	10	16	25	35	50	63	tg δ	0.22	0.20	0.16	0.14	0.12	0.10	0.10								
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温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z-25℃ / +20℃</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℃ / +20℃</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	U _R (V)	6.3	10	16	25	35	50	63	Z-25℃ / +20℃	4	3	2	2	2	2	2	Z-40℃ / +20℃	8	6	4	4	3	3	3
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Z-40℃ / +20℃	8	6	4	4	3	3	3																		
耐久性 Load life	+105℃加额定电压1000小时，恢复16小时后： After applying rated voltage for 1000 hours at +105℃ and then resumed 16 hours: 电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤初始规定值 ≤The initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2times of the initial specified value																								
高温贮存 Shelf life	+105℃,1000小时贮存后,,恢复16小时后： After storage for 1000 hours at +105℃ and then resumed 16 hours : 电容量变化率 Capacitance change : ±25%初始测量值以内 ±25% of the initial measured value 漏 电 流 Leakage current : ≤2倍初始规定值 ≤2times of the initial specified value 损耗角正切值 Dissipation factor : ≤2倍初始规定值 ≤2times of the initial specified value																								

频率修正系数 Frequency coefficient

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

外形图及尺寸表 Case size table

单位Unit: mm



D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	

尺寸 Dimensions

CAP(μF)	ww	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)		63V(1J)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1											4x7	1.5		
0.22	R22											4x7	2.5		
0.33	R33											4x7	3.5		
0.47	R47											4x7	5.0		
1	010					4x7	6	4x7	7	4x7	6	4x7	10	4x7	12
2.2	2R2					4x7	8	4x7	9	4x7	8	4x7	19	4x7	18
3.3	3R3					4x7	10	4x7	11	4x7	10	4x7	24	5x7	25
4.7	4R7					4x7	12	4x7	15	4x7	22	4x7	27	5x7	28
10	100					4x7	24	4x7	28	4x7	29	5x7	40	6.3x7	40
22	220	4x7	31	4x7	33	4x7	37	5x7	45	5x7	50	6.3x7	60	8x7	65
						5x7	42	6.3x7	48	6.3x7	58	8x7	65		
33	330	4x7	37	4x7	41	5x7	48	5x7	52	6.3x7	59	8x7	78		
47	470	4x7	44	4x7	51	5x7	57	6.3x7	60	8x7	80	8x7	80		
100	101	5x7	68	5x7	75	6.3x7	89	8x7	115						
220	221	6.3x7	101	6.3x7	105	8x7	135								
				8x7	145										
330	331	8x7	120												
470	471	8x7	125												

Size φ D × L(mm)

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz