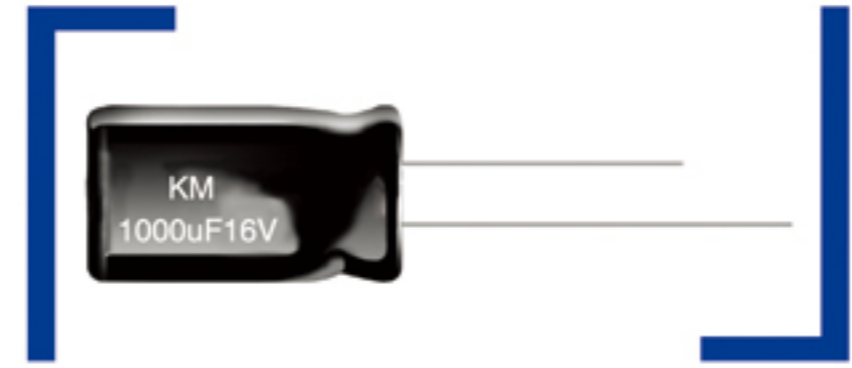


KM 耐高温品



- ◎宽温度产品, 105℃, 1000小时寿命, 体积小, 容量大。
Wide temperature range, 105℃, Load life: 1000 hours, small size, large capacity.
- ◎适用于开关电源、适配器、DVD、背投影电、空调等线路中。
Used in Smpls, Adapter, DVD, color-TV, air conditioning circuits etc.
- ◎ROHS指令已对应完毕。
Adapted to the ROHS directive.

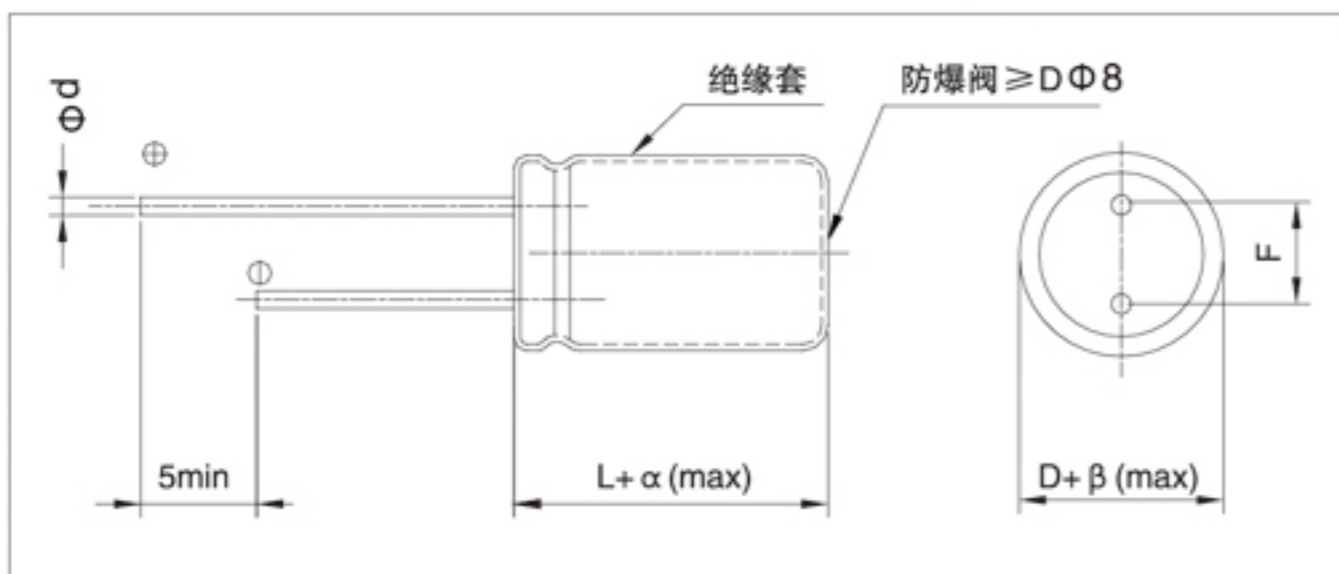
■ 主要技术性能 Specifications

项目 Item	特性 Performance Characteristics																									
使用温度范围 Operating temperature range	-40 ~ +105℃	-25 ~ +105℃																								
额定电压范围 Rated voltage range	6.3 ~ 100 V	160 ~ 450 V																								
标称容量范围 Nominal capacitance range	0.1~22000 μ F	0.47~470 μ F																								
标称容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20℃)																									
漏电流 Leakage current	I ≤ 0.01CV 或 3(μ A) 2分钟 取较大者 (at 20℃, after 2 minutes) (whichever is greater)	I ≤ 0.03CV + 15 (μ A) 1分钟 (1 minute)																								
损耗角正切值 (tg δ) Dissipation factor(+20℃, 120Hz)	<table border="1"> <tr> <td>UR (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160~450</td> </tr> <tr> <td>tg δ</td> <td>0.25</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.20</td> </tr> </table>		UR (V)	6.3	10	16	25	35	50	63	100	160~450	tg δ	0.25	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.20				
UR (V)	6.3	10	16	25	35	50	63	100	160~450																	
tg δ	0.25	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.20																	
温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	<table border="1"> <tr> <td>UR (V)</td> <td>6.3</td> <td>10</td> <td>16~50</td> <td>63~100</td> <td>160~250</td> <td>400</td> <td>450</td> </tr> <tr> <td>Z-25℃ / +20℃</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>3</td> <td>6</td> <td>7</td> </tr> <tr> <td>Z-40℃ / +20℃</td> <td>≤8</td> <td>≤6</td> <td>≤4</td> <td>≤3</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>		UR (V)	6.3	10	16~50	63~100	160~250	400	450	Z-25℃ / +20℃	-	-	-	-	3	6	7	Z-40℃ / +20℃	≤8	≤6	≤4	≤3	-	-	-
UR (V)	6.3	10	16~50	63~100	160~250	400	450																			
Z-25℃ / +20℃	-	-	-	-	3	6	7																			
Z-40℃ / +20℃	≤8	≤6	≤4	≤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 for 16 hours: 电容量变化率 Capacitance change : ± 20%初始测量值以内 ± 20% 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 : ± 20%初始测量值以内 ± 20% 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																									

Standard

■ 外形图及尺寸表 Case size table

单位Unit: mm



D	5	6.3	8	10~12.5	16~18	22
F	2.0	2.5	3.5	5.0	7.5	10
d	0.5		0.5, 0.6	0.6	0.8	

α MAX	(L < 20) 1.5	β MAX	(D < 20) 0.5
	(L ≥ 20) 2.0		(D ≥ 20) 1.0

■ 频率修正系数 Frequency coefficient

Rated Voltage(V)	Freq.(Hz)		50	120	300	1K	10K	100K
	CAP(μ F)							
6.3~100	~47		0.75	1.00	1.35	1.57	2.00	2.30
	100~470		0.80	1.00	1.23	1.34	1.50	1.65
	≥560		0.85	1.00	1.10	1.13	1.15	1.40
160~450	0.47~4.7		0.65	1.00	1.35	1.75	2.30	2.50
	6.8~82		0.75	1.00	1.25	1.50	1.75	1.80
	100~1000		0.80	1.00	1.15	1.30	1.40	1.50

■ 尺寸 Dimensions

CAP(μF)	WV	6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1											5 × 11	3
0.22	R22											5 × 11	4
0.33	R33											5 × 11	5
0.47	R47											5 × 11	6
1	010											5 × 11	13
2.2	2R2											5 × 11	20
3.3	3R3											5 × 11	30
4.7	4R7					5 × 11	20	5 × 11	20			5 × 11	40
10	100	5 × 11	20			5 × 11	35	5 × 11	40	5 × 11	40	5 × 11	55
22	220			5 × 11	50	5 × 11	55	5 × 11	60	5 × 11	65	5 × 11	80
33	330	5 × 11	55	5 × 11	60	5 × 11	65	5 × 11	75	5 × 11	80	5 × 11	100
												6.3 × 11	115
47	470	5 × 11	65	5 × 11	70	5 × 11	80	5 × 11	85	5 × 11	100	6.3 × 11	135
												8 × 11.5	160
100	101	5 × 11	95	5 × 11	105	5 × 11	125	6.3 × 11	160	6.3 × 11	170	8 × 11.5	230
						6.3 × 11	140			8 × 11.5	200		
220	221	5 × 11	150	6.3 × 11	170	6.3 × 11	215	8 × 11.5	285	8 × 11.5	300	10 × 16	510
		6.3 × 11	170			8 × 11.5	250						
330	331	6.3 × 11	215	6.3 × 11	240	8 × 11.5	315	8 × 11.5	340	10 × 12.5	420	10 × 16	590
				8 × 11.5	280					10 × 16	470		
470	471	8 × 11.5	260	6.3 × 11	285	8 × 11.5	365	10 × 12.5	470	10 × 16	545	10 × 20	710
				8 × 11.5	330	10 × 12.5	430			10 × 20	590		
680	681	8 × 11.5	365	8 × 11.5	410	8 × 16	465	10 × 16	620	10 × 20	680	12.5 × 20	925
						10 × 12.5	480						
1000	102	8 × 11.5	445	8 × 16	550	10 × 16	680	10 × 20	820	12.5 × 20	1025	12.5 × 25	1290
				10 × 12.5	570								
1500	152			10 × 16	630	10 × 20	750	12.5 × 20	900	12.5 × 25	1125		
2200	222	10 × 16	740	10 × 20	900	12.5 × 20	1110	12.5 × 25	1460	16 × 25	1500	16 × 35	1230
				12.5 × 20	950					18 × 20	1460		
3300	332	10 × 20	1030	12.5 × 20	1205	12.5 × 25	1390	16 × 25	1645	16 × 30	1810	18 × 35	2165
4700	472	12.5 × 20	1280	12.5 × 25	1490	16 × 25	1740	16 × 30	1840	18 × 35	2335	22 × 40	2650
6800	682	12.5 × 25	1550	16 × 25	1825	16 × 30	2080	16 × 35	2100				
10000	103	16 × 25	1900	16 × 30	1980	16 × 35	2380	18 × 35	2500				
15000	153	16 × 30	2190	16 × 40	2180	18 × 35	2600						
22000	223	18 × 35	2400	18 × 40	2410								

尺寸 Dimensions

CAP(μF) \ WV		63V(1J)		100V(2A)		160V(2C)		200V(2D)		220V(2P)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1			5x11	3						
0.22	R22			5x11	4						
0.33	R33			5x11	5						
0.47	R47			5x11	10						
1	010			5 x 11	16						
2.2	2R2			5 x 11	23			6.3 x 11	22	6.3 x 11	23
3.3	3R3			5 x 11	35			6.3 x 11	28	6.3 x 11	28
4.7	4R7	5 x 11	40	5 x 11	40	6.3 x 11	40	6.3 x 11	42	8 x 11.5	45
10	100	5 x 11	60	6.3 x 11	60	8 x 11.5	73	8 x 14	80	8x16	84
				8 x 11.5	70						
22	220	5 x 11	80	6.3 x 11	90	10 x 12.5	120	10 x 16	132	10 x 20	150
		6.3 x 11	90	8 x 11.5	100						
33	330	8 x 11.5	120	8 x 11.5	145	10 x 16	165	10 x 20	185	12.5 x 20	200
				10 x 12.5	170						
47	470	6.3x11	145	10x12.5	200	10 x 20	210	12.5x20	230	12.5 x 25	250
		8 x 11.5	165	10 x 16	250						
68	680					12.5 x 20	285	12.5x25	310	16 x 20	320
82	820					12.5 x 20	315	12.5 x 25	345	16 x 25	390
100	101	10 x 12.5	250	10 x 20	350	12.5 x 25	385	16x20	390	16 x 30	460
150	151					16 x 25	515	16 x 25	520	16 x 35	620
180	181					16 x 25	590	16 x 30	620	16 x 40	700
220	221	10 x 20	500	12.5 x 25	660	16 x 30	700	16x35	730	18 x 40	820
270	271					16 x 35	830	16 x 40	860		
330	331	12.5 x 20	690	12.5 x 25	800	16 x 40	980	18x40	1000		
390	391					18 x 40	1100	18x45	1150		
470	471	12.5 x 20	810	16x25	990	18x45	1250				
560	561										
1000	102	16 x 25	1450	18 x 40	2020						
2200	222	18 x 35	1780								
3300	332	22 x 40	2000								

Standard

CAP(μF) \ WV		250V(2E)		350V(2V)		400V(2G)		420V(2M)		450V(2W)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47	R47							6.3 x 11	11	6.3 x 11	11
1	010					6.3 x 11	15	6.3 x 11	15	6.3 x 11	15
2.2	2R2	6.3 x 11	23	6.3 x 11	25	8 x 11.5	26	8 x 11.5	26	8 x 11.5	26
3.3	3R3	6.3 x 11	28	8 x 11.5	28	8 x 11.5	30	8 x 11.5	30	8 x 11.5	30
4.7	4R7	8 x 11.5	45	8 x 11.5	48	8 x 11.5	50	8 x 16	50	8 x 16	50
6.8	6R8	8 x 11.5	58	8 x 14	60	8 x 12	63	10 x 16	63	10 x 16	63
8.2	8R2	8 x 14	68	8 x 16	70	8 x 16	72	10 x 16	72	10 x 16	72
10	100	8 x 16	84	10 x 16	85	10 x 16	88	10 x 16	80	10 x 20	85
15	150	10 x 16	112	10 x 20	113	10 x 20	115	12.5 x 20	112	12.5 x 20	112
22	220	10 x 20	150	12.5 x 20	152	12.5 x 20	155	12.5 x 25	152	12.5 x 25	152
27	270	10 x 20	170	12.5 x 25	188	12.5 x 25	190	12.5 x 25	175	12.5 x 30	185
33	330	12.5 x 20	200	12.5 x 25	205	12.5 x 25	210	12.5 x 30	202	12.5 x 30	202
39	390	12.5 x 20	210	12.5 x 30	255	12.5 x 30	260	16 x 20	220	16 x 25	240
47	470	12.5 x 25	250	16 x 25	290	16 x 25	295	16 x 25	270	16 x 30	290
56	560	12.5 x 30	300	16 x 25	320	16 x 25	325	16 x 30	320	16 x 30	320
68	680	16 x 20	320	16 x 30	370	16 x 30	380	16 x 30	340	16 x 35	360
82	820	16 x 25	390	16 x 35	440	16 x 35	450	16 x 35	405	16 x 40	430
100	101	16 x 30	460	16 x 40	510	16 x 40	520	16 x 40	480	18 x 35	480
120	121	16 x 30	510	18 x 40	590	18 x 40	600	18 x 40	550	18 x 40	550
150	151	16 x 35	620	18 x 45	690	18 x 45	700	18 x 45	650	18 x 45	650
180	181	16 x 40	700								
220	221	18 x 40	820								

Size φ D x L(mm)

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