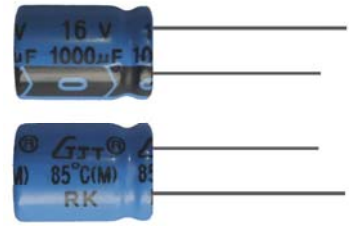


# RK 85°C, Standard

## 85°C标准品

- 85°C, 2000 hours assured.  
85°C, 2000 小时寿命品。
- Suit for use in electronic circuits in color TV Receiver, video-coder etc.  
适用于彩色电视接收机、录像机、音响设备等

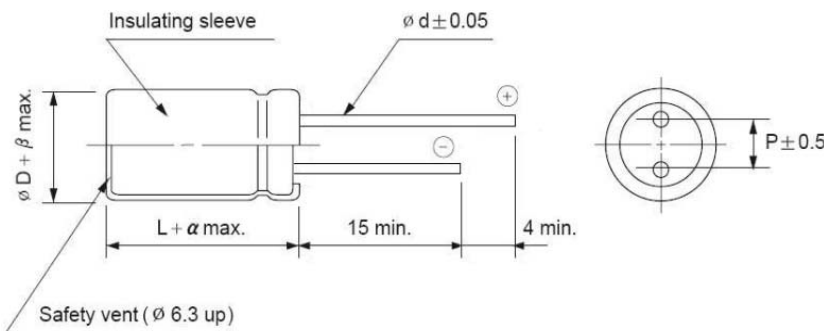


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

### Specifications 特性表

Items 项目	Characteristics 主要特性										
Rated Voltage Range 额定工作电压范围	6.3~100V <sub>dc</sub>	160~450 V <sub>dc</sub>									
Category Temperature Range 使用温度范围	-40 ~ +85°C										
Capacitance Tolerance 静电容量允许偏差	±20% (M), at 20°C, 120Hz										
Leakage Current 漏电流, 20°C环境下施加工作电压 2 分钟后. (at 20°C, After 2 minutes)	I ≤ 0.01CV or 3uA, whichever is greater 漏电流 ≤ 0.01CV or 3uA, 取较大值	CV ≤ 1000, I ≤ 0.03CV + 15uA 漏电流 ≤ 0.03CV + 15uA CV > 1000, I ≤ 0.02CV + 25uA 漏电流 ≤ 0.02CV + 25uA									
Dissipation Factor (Tanδ, at 20°C, 120Hz) 损耗角正切值 (测试条件为 20°C, 120Hz)	Where, I : Max. leakage current (漏电流, µA), C : Nominal capacitance (静电容量, µF), V : Rated voltage (额定电压 V)										
	Rated voltage (V) 额定工作电压	6.3	10	16	25	35	50	63	100	160~250	350~450
Low Temperature Characteristics (Max. Impedance Ratio, 120Hz) 低温特性最大阻抗比	When nominal capacitance exceeds 1,000µF, add 0.02 to the value above for each 1,000µF increase. 静电容量大于 1000uF, 每增加 1000uF, 损耗角正切增加 0.02										
	Tanδ (Max.) 最大损耗角正切	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.16	0.20
Endurance 耐久性	The following specification shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the ripple current is applied for the specified period of time at 105°C. 在 105°C 环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载规定时间的额定电压后, 待温度恢复到 20°C 进行测量时, 应满足以下要求。										
	Test Time 测试时间	2,000Hrs									
	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内									
Shelf Life 高温贮存	The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of IEC 60384-4. 在 105°C 环境中, 无负荷放置 1,000 小时后待温度恢复到 20°C, 进行试验前处理(IEC 60384-4 4.1 项)后进行测量时, 应满足以下要求。										
	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内									
	Leakage Current 漏电流	≤ The initial specified value 不大于规范值									

### Drawing(Unit: mm) 外形图



ΦD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5		0.6		0.8		
α	1.0			1.5			
β	0.5						

### Rated ripple current multipliers(Unit: mm) 额定纹波修正系数

Frequency 频率 (Hz)	60Hz	120Hz	300Hz	1KHz	10KHz~	
Coefficient 系数	Under 100µF	0.70	1.00	1.15	1.40	1.50
	100 to 1,000	0.75	1.00	1.18	1.30	1.35
	1,000 up above	0.80	1.00	1.05	1.12	0.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise.  
 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化, 每升温 5°C 寿命减少一半。  
 When long life performance is required in actual use, the rms ripple current has to be reduced.  
 要想保持长寿命请在使用过程中降低纹波电流。

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# RK Series

■ Standard ratings 标准品一览表

μF \ WV	6.3		10		16		25		35		50		63		
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	
0.1												5x11	3.3	5x11	4
0.22												5x11	3.3	5x11	4
0.33												5x11	5.5	5x11	6
0.47												5x11	7.5	5x11	8
1												5x11	17	5x11	17
2.2												5x11	28	5x11	31
3.3												5x11	39	5x11	39
4.7												5x11	46	5x11	50
10												5x11	72	5x11	77
22												5x11	110	6.3x11	125
33	5x11	70	5x11	88	5x11	84	5x11	105	5x11	120	5x11	130	6.3x11	150	
											6.3x11	135	8x12	160	
47	5x11	86	5x11	105	5x11	130	5x11	130	5x11	140	6.3x11	165	6.3x11	190	
									6.3x11	155			8x12	200	
68	5x11	110	5x11	130	5x11	150	6.3x11	175	6.3x11	195	8x12	220	8x12	250	
100	5x11	140	5x11	200	5x11	175	6.3x11	210	6.3x11	230	8x12	285	10x13	330	
					6.3x11	205			8x12	250					
120	5x11	165	5x11	210	6.3x11	230	6.3x11	255	8x12	275	8x12	320	10x16	395	
150	5x11	195	5x11	230	6.3x11	250	6.3x11	275	8x12	310	10x13	360	10x16	460	
180	5x11	220	6.3x11	250	6.3x11	275	8x12	320	8x12	350	10x13	425	10x16	520	
220	5x11	240	6.3x11	295	6.3x11	305	8x12	360	8x12	385	10x13	470	10x16	550	
	6.3x11	265			8x12	350			10x13	405	10x16	480	10x20	580	
330	6.3x11	330	6.3x11	360	8x12	510	8x12	450	10x13	530	10x16	650	10x20	750	
							10x13	480	10x16	540	10x20	670	13x20	780	
470	6.3x11	385	6.3x11	415	8x12	515	8x12	560	10x16	690	10x20	820	13x20	970	
	8x12	415	8x12	440			10x13	590	10x20	750	13x20	850	13x25	1020	
560	8x12	475	8x12	500	10x13	570	10x16	690	10x20	850	13x20	900	13x25	1050	
													16x25	1080	
680	8x12	540	8x12	570	10x13	680	10x16	790	10x20	890	13x20	1050	16x25	1260	
							10x20	820							
820	8x12	605	10x13	670	10x16	800	10x20	890	13x20	1040	13x25	1280	16x25	1430	
1000	8x12	650	8x20	800	10x16	870	10x20	1050	13x20	1265	13x25	1480	16x25	1540	
	10x13	715	10x13	725							16x25	1540	16x31.5	1700	
1200	10x13	815	10x16	900	10x16	980	13x20	1155	13x20	1375	16x25	1610	16x31.5	1830	
1500	10x16	935	10x16	1000	10x20	1100	13x20	1350	13x25	1570	16x31.5	1840	16x35.5	2090	
1800	10x16	1035	10x20	1090	13x20	1300	13x20	1490	16x25	1750	16x31.5	2110	16x35.5	2250	
2200	10x20	1135	10x20	1210	13x20	1485	13x25	1700	16x25	1870	16x35.5	2310	18x35.5	2470	
									16x31.5	1980			18x40	2750	
2700	10x20	1350	13x20	1420	13x20	1720	16x25	1800	16x31.5	2180	18x31.5	2420			
3300	10x20	1430	13x20	1540	13x25	1870	16x25	1870	16x31.5	2365	18x35.5	2750			
	13x20	1485					16x31.5	2145	16x35.5	2550					
3900	13x20	1530	13x20	1760	16x25	2000	16x31.5	2340	18x31.5	2640	18x40	2870			
4700	13x20	1670	13x25	1980	16x25	2310	16x31.5	2640	18x35.5	2860					
	13x25	1870													
5600	13x25	2000	16x25	2190	16x31.5	2450	18x31.5	2810	18x40	2910					
6800	16x25	2310	16x25	2475	16x31.5	2800	18x35.5	2970							
8200	16x25	2330	16x31.5	2540	16x35.5	2890	18x35.5	2980							
10000	16x31.5	2530	16x35.5	2640	18x35.5	2970									
			18x35.5	2915	18x40	3190									
12000	16x35.5	2780	18x35.5	3025	18x35.5	3050									
					18x40	3210									
15000	16x35.5	2950	18x35.5	3310											
	18x35.5	3165													
18000	18x35.5	3300	18x40	3310											
22000	18x40	3575													

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz. 尺寸 ΦD x L(mm), 纹波电流於 105°C, 120Hz

Note2: Produce custom product too, which are not found in these tables. 客户定制产品在标准品一览表内

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# RK Series

■ Standard ratings 标准品一览表

WV μF	100		160		200		250		350		400		450	
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.
0.1	5×11	4.5												
0.22	5×11	6												
0.33	5×11	10												
0.47	5×11	14	5×11	12	5×11	12	5×11	12	6.3×11	15	6.3×11	12	6.3×11	12
1	5×11	27	5×11	17	6.3×11	17	6.3×11	17	6.3×11	22	6.3×11	20	8×12	22
2.2	5×11	40	6.3×11	30	6.3×11	30	6.3×11	20	8×12	30	8×12	32	8×12	32
3.3	5×11	48	6.3×11	36	6.3×11	36	8×12	38	8×12	46	10×13	53	10×13	32
4.7	5×11	58	6.3×11	40	8×12	51	8×12	48	10×13	63	10×13	66	10×16	56
10	5×11	85	8×12	80	10×13	82	10×13	90	10×20	115	10×20	115	13×20	105
22	6.3×11	155	10×13	135	10×20	135	10×20	135	13×20	180	13×20	190	13×25	150
33	8×12	205	10×16	180	13×20	205	13×20	210	13×25	250	13×25	230	16×25	190
47	10×13	275	10×20	230	13×20	250	13×20	240	16×25	290	16×25	270	16×25	260
68	10×16	385	13×20	360	13×25	370	16×25	390	16×31.5	400	13×35.5	410	18×31.5	370
100	10×20	470	13×25	430	16×25	460	16×31.5	450	18×31.5	430	18×31.5	440	18×40	420
120	10×20	530	16×25	530	16×25	550	16×31.5	560	18×35.5	550	18×40	520	18×45	510
150	13×20	630	16×25	560	16×31.5	580	18×31.5	600	18×40	570				
180	13×20	660	16×31.5	650	16×31.5	660	18×31.5	680						
220	13×25	740	16×31.5	850	18×35.5	750								
330	16×25	870	16×35.5	890	18×35.5	800								
470	13×25	920	18×31.5	890	18×35.5	940								
560	16×25	1040	18×35.5	920	18×40	1000								
680	16×25	1210	18×35.5	1180	18×40	1330								
820	16×31.5	1330	18×40	1250										
1000	16×35.5	1465	18×45	1320										
	16×35.5	1630												
	18×35.5	1810												
	18×40	1940												

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz. 尺寸 ΦD x L(mm), 纹波电流於 105°C, 120Hz

Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内