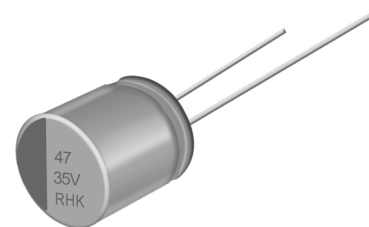


**RHK Series** 导电高分子混合型引线式铝电解电容器 125°C 4000-6000 小时产品

Hybrid conductive polymer 125°C4000 -6000 hours Radial Lead Type

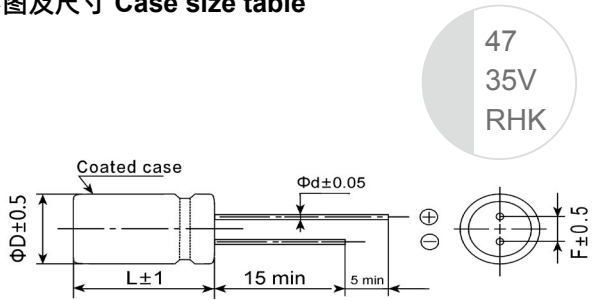
- 混合型电解质，高耐压，长寿命，极低阻抗，125°C.4000-6000 小时。
- 性能稳定，可靠性高，符合 RoHS
- 无卤对应品
- Conductive Polymer Hybrid, high voltage, long life, low impedance, 125°C4000-6000 hours
- High stability and reliability. RoHS Compliant
- Halogen-free product



## ◆主要技术性能 Specifications

项目 Items	主要特性 Performance Characteristics							
使用温度范围 Operating Temperature Range	-55°C+125°C							
额定电压范围 Rated Voltage Range	6.3 ~ 100V DC							
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20°C)							
漏电流 (20°C) Leakage Current	Rated voltage	6.3 ~ 100V						
	Time	2 分钟 (after 2 minutes)						
	Case Size	Φ5 ~ Φ10						
	Leakage Current	I ≤ 0.01 CV (μA) 或 3μA 取较大者 I ≤ 0.01 CV or 3μA whichever is greater						
损耗角正切值 (120Hz 20°C) Dissipation Factor	WV(V)	6.3	16	25	35	50	63	100
	tgδ	0.20	0.16	0.14	0.12	0.10	0.08	0.08
温度特性 (120Hz) Temperature Characteristics Impedance Ratio(100kHz)	WV(V)	6.3	16	25	35	50	63	100
	Z-25°C/ Z +20°C	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Z-55°C/ Z +20°C	2	2	2	2	2	2	2
耐久性 Load Life	+125°C 施加额定电压 4000-6000 小时，恢复 16 小时后，电容器应满足要求 After applying rated voltage for 4000-6000 hours at +125°C and then resumed 16 hours. The capacitor shall meet the following limits.							
	Φ5×6				4000H			
	6.3V ~ 16V				4000H			
	63V ~ 100V				4000H			
	25V ~ 50V Φ5×6 除外 (25V ~ 50V except Φ5×6)				6000H			
	电容量变化率 Capacitance Change		≤ ±30% 初始测量值 ≤ ±30% of Initial measured value					
	漏电流值 Leakage Current		≤ 规定值 ≤ The specified value					
	损耗角正切值 Dissipation Factor		≤ 2 倍规定值 ≤ 200% of the specified value					
等效串联电阻 (ESR) Equivalent series resistance		≤ 2 倍规定值 ≤ 200% of the specified value						

◆外形图及尺寸 Case size table



ΦD×L	ΦD	L	F	Φd
5×6	5	6	2.0	0.5
6.3×6	6.3	6	2.5	0.5
6.3×7	6.3	7	2.5	0.5
8×10	8	10	3.5	0.6
10×10	10	10	5.0	0.6
10×12	10	12	5.0	0.6
10×16	10	16	5.0	0.6

◆标称电容量、额定电压、额定纹波电流与外形尺寸对应表

Nominal capacitance, rated voltage, rated ripple current and case size table

WV μF	6.3V			10V			16V			25V		
	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)
33										5x6	900	80
47							5x6	900	70	6.3x6	1300	50
56										6.3x6	1300	50
68										6.3x7	2000	30
82							6.3x6	1600	45			
100				6.3x6	1600	45				6.3x7	2000	30
150							6.3x7	2200	27	8x10	2300	27
220	6.3x6	1600	45	6.3x7	2300	24				8x10	2300	27
270							8x10	2500	22	10x10	2500	20
330	6.3x7	2300	24	8x10	2500	22				10x10	2500	20
470							10x10	2600	18			
560	8x10	2500	22							10x12	3500	18
820	10x10	2600	18	10x10	2600	18				10x16	4000	15

WV μF	35V			50V			63V			100V		
	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)	ΦD×L mm	I (mA)	ESR (mΩ)
10				5x6	750	120	6.3x6	1000	120			
15										10x10	1700	36
22	5x6	900	100	6.3x6	1100	80	6.3x7	1500	80			
27				6.3x6	1100	80						
33				6.3x7	1600	40	8x10	1600	40			
47	6.3x6	1300	60	8x10	1800	30	8x10	1600	40			
56				8x10	1800	30	10x10	1800	30			
68	6.3x7	2000	35	8x10	1800	30	10x10	1600	40			
82				10x10	2000	25	10x10	1800	30			
100	6.3x7	2000	35	10x10	1800	30	10x12	2600	20			
120							10x16	3600	20			
150	8x10	2300	27	10x12	3000	24						
220	8x10	2300	27	10x10 10x12	1800 3000	30 24						
270	10x10	2500	20									
330				10x16	3600	20						
390	10x12	3000	18									
560	10x16	4000	15									

I ~ 额定纹波电流 Rated ripple current: (mA, 125°C, 100kHz), ESR: (mΩ, 20°C, 100kHz)