

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

Conductive Polymer Hybrid . 125°C 4000 -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. RoHSCompliant
- Halogen-free, corresponding product

NEW



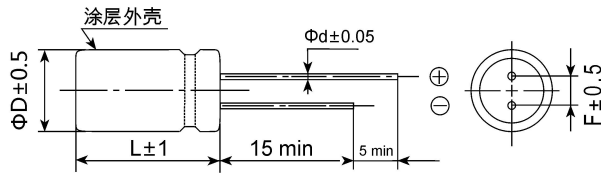
主要技术性能 Specifications

使用温度范围 Operating Temperature Range	-55~+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 Dissipation Factor (120Hz 20°C)	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 exceptΦ5×6)		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							

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■ 外形图及尺寸 Case size table

mm



$\Phi D \times L$	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

μF	WV	6.3V			10V			16V			25V		
		$\Phi D \times L$ mm	I (mA)	ESR (m Ω)	$\Phi D \times L$ mm	I (mA)	ESR (m Ω)	$\Phi D \times L$ mm	I (mA)	ESR (m Ω)	$\Phi D \times L$ mm	I (mA)	ESR (m Ω)
33										5×6	900	80	
47							5×6	900	70	6.3×6	1300	50	
56										6.3×6	1300	50	
68										6.3×7	2000	30	
82							6.3×6	1600	45				
100					6.3×6	1600	45			6.3×7	2000	30	
150							6.3×7	2200	27	8×10	2300	27	
220		6.3×6	1600	45	6.3×7	2300	24			8×10	2300	27	
270							8×10	2500	22	10×10	2500	20	
330		6.3×7	2300	24	8×10	2500	22			10×10	2500	20	
470							10×10	2600	18				
560		8×10	2500	22						10×12	3500	18	
820		10×10	2600	18	10×10	2600	18			10×16	4000	15	

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■ 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	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				5 × 6	750	120	6.3 × 6	1000	120			
15										10 × 10	1700	36
22	5 × 6	900	100	6.3 × 6	1100	80	6.3 × 7	1500	80			
27				6.3 × 6	1100	80						
33				6.3 × 7	1600	40	8 × 10	1600	40			
47	6.3 × 6	1300	60	8 × 10	1800	30	8 × 10	1600	40			
56				8 × 10	1800	30	10 × 10	1800	30			
68	6.3 × 7	2000	35	8 × 10	1800	30	10 × 10	1600	40			
82				10 × 10	2000	25	10 × 10	1800	30			
100	6.3 × 7	2000	35	10 × 10	1800	30	10 × 12	2600	20			
120							10 × 16	3600	20			
150	8 × 10	2300	27	10 × 12	3000	24						
220	8 × 10	2300	27	10 × 10 10 × 12	1800 3000	30 24						
270	10 × 10	2500	20									
330				10 × 16	3600	20						
390	10 × 12	3000	18									
560	10 × 16	4000	15									

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