

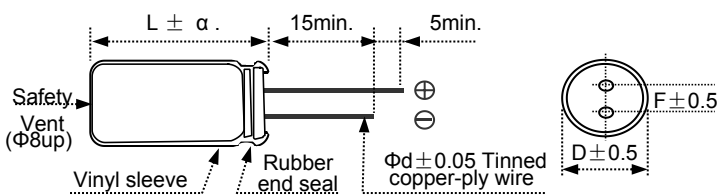
RK Series

- long life,down sized
- Power Supply Output,105°C 12000hours
- RoHS2.0 Compliant

规格表 Specifications

项目 Items	特性参数 Characteristics							
使用温度范围 Category Temperture Range	- 40 ~ +105°C							
额定工作电压范围 Rated Voltage Range	10 ~ 100Vdc							
静电容量允许偏差 Capacitance Tolerance	±20%(M) (at 20°C,120Hz)							
漏电流 Leakage Current	I≤0.01CV or 3μA, 二者取最大值 (施加额定工作电压2分钟后) Whichever is greater (After 2 minutes application of rated voltage) Note: I=Max.leakage current (μA), C=Nominal capacitance(μF), V=Rated voltage(Vdc) (at 20°C After 2min)							
损耗角正切值 tanδ Dissipation Factor	Rated voltage(Vdc)	10	16	25	35	50	63	100
	tanδ (Max.)	0.45	0.35	0.30	0.22	0.19	0.17	0.15
(at 20°C,120Hz)								
低温特性 Low Temperature Characteristics (Max.Impedance Ratio)	阻抗比值不得超过下表中列出的值 The impedance ratio shall not exceed the values listed in the below table.							
	Rated voltage(Vdc)	10	16	25	35	50	63	100
	Z(-25°C)/Z(+20°C)	8	6	4	4	3	3	3
(at 120Hz)								
耐久性 Endurance	在105°C环境中, 不超过额定电压的范围内叠加最大允许纹波电流, 连续12000小时, 经恢复到20°C后, 电容器满足以下各项要求。 The following specifications shall be satisfied when the capacitors are restored to 20°C after applied within maximum allowable ripple current and not over rated voltage range for 12000 hours at 105°C.							
	Capacitance change	≅ ±25% of the initial value						
	D.F.(tanδ)	≅ 300% of the initial specified value						
	Leakage current	≅ The initial specified value						
高温储存特性 Shelf Life	在105°C环境中, 不施加电压条件下储存1000小时, 经恢复到20°C后, 电容器满足以下各项要求。 The following specifications shall be satisfied when the capacitors are restored at 20°C after exposing them for 1000 hours at 105°C without voltage applied.							
	Capacitance change	≅ ±25% of the initial value						
	D.F.(tanδ)	≅ 300% of the initial specified value						
	Leakage current	≅ 200% of the initial specified value						

尺寸图 (单位: mm) DIMENSIONS (Unit:mm)



ΦD	5	6.3	8
F	2	2.5	3.5
Φd	0.5	0.5	0.5

α	(L<20)1.5
	(L≥20)2.0

纹波电流修正系数 Rated Ripple Current Coefficient

频率系数 Frequency Coefficient

Frequency(Hz)	120	1k	10k	100k
Capacitance(μF)				
1.0~10	0.42	0.60	0.80	1.00
22~33	0.55	0.75	0.90	1.00
47~330	0.70	0.85	0.95	1.00

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◆ 标准品一览表 Standard Ratings

WV (Vdc)	Cap (μ F)	Case size ϕ D×L (mm)	Rated ripple current (mA _{rms}) 105°C/100KHz
10	100	5X11	130
	220	6.3X11	210
	330	8X11.5	330
16	47	5X11	130
	100	6.3x11	210
	220	8x11.5	330
25	33	5x11	130
	47	5x11	130
	100	6.3x11	210
35	33	5x11	130
	47	6.3x11	210
	100	8x11.5	330
50	1.0	5x11	25
	2.2	5x11	35
	3.3	5x11	70
	4.7	5x11	80
	10	5x11	90
	22	5x11	110
	33	6.3x11	190
	47	6.3x11	190
63	10	5x11	80
	22	6.3x11	170
	33	6.3x11	170
	47	8x11.5	240
100	1.0	5x11	40
	2.2	5x11	50
	3.3	5x11	60
	4.7	5x11	70
	10	6.3x11	150
	22	8x11.5	230

※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，中心温度每升温5°C寿命减少一半。要想保持长寿命请在使用过程中降低纹波电流。

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. When long life performance is required in actual use, the rms ripple current has to be reduced.

单击下面可查看定价，库存，交付和生命周期等信息

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