



# 鋁電解電容器

## Aluminum Electrolytic Capacitor

### RXG Series 铝电解电容器长寿命品

Long life products of aluminum electrolytic capacitor

- 高纹波, 长寿命品
- 寿命: +105 °C 5000 小时 Life time: +105 °C 5000Hrs
- 符合 RoHS 指令 RoHS compliance



### 主要技术性能 Specifications

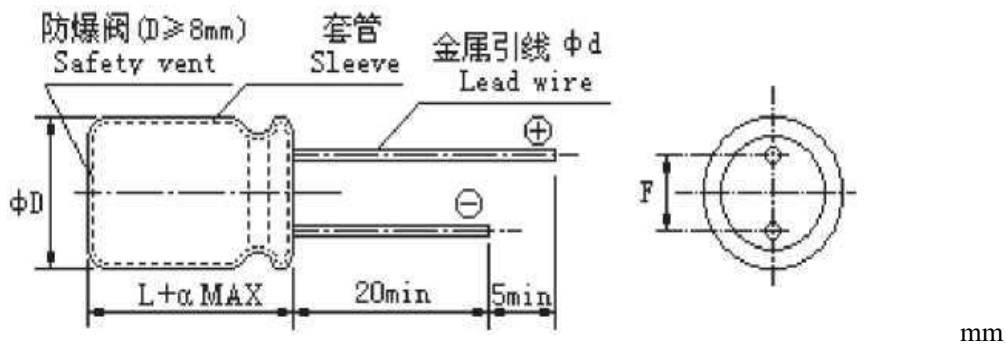
项目 Items	特 性 Characteristics												
使用温度范围 Operating Temperature Range	-40~+105°C												
额定电压范围 Rated Voltage Range	400 ~ 450V. DC												
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20°C)												
漏电流(20°C) Leakage Current	I=0.04CV+100µA (1minute ) I=0.02CV+25µA (5minutes)  I=Leakage Current(µA)      C=Capacitance(µF)      V=Rated Voltage(Vdc)												
损耗角正切值 Dissipation Factor (120Hz 20°C)	<table border="1"> <thead> <tr> <th>WV</th> <th>400</th> <th>420</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tgδ</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> </tr> </tbody> </table> <p>容量大于 1000 µF 者, 每增加 1000 µF, 其损耗角正切值增加 0.02 For capacitance exceeding 1000 µF, add 0.02 per increment of 1000 µF</p>	WV	400	420	450	tgδ	0.20	0.20	0.20				
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耐久性 Load Life	<p>+105°C施加额定电压 5000 小时, 恢复 16 小时后, 电容器应满足要求 After applying rated voltage for 8000~12000 hours at +105°C and then resumed 16 hours. The capacitor shall meet the following limits.</p> <table border="1"> <tbody> <tr> <td>电容量变化率 Capacitance Change</td> <td>≤±20%初始测量值 ≤±20% of Initial measured value</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤规定值 ≤The specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤2 倍规定值 ≤200% of the specified value</td> </tr> </tbody> </table>	电容量变化率 Capacitance Change	≤±20%初始测量值 ≤±20% of Initial measured value	漏电流值 Leakage	≤规定值 ≤The specified value	损耗角正切值 Dissipation Factor	≤2 倍规定值 ≤200% of the specified value						
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高温贮存 Shelf Life	<p>+105°C, 1000 小时, 然后按 JISC5101-4 第 4.1 项预处理后测量。 After storage for 1000 hours at +105 °C , the capacitor shall be preconditioned by applying voltage according to Item4.1 of JISC5101-4.</p> <table border="1"> <tbody> <tr> <td>电容量变化率 Capacitance Change</td> <td>≤±20%初始测量值 ≤±20% of Initial measured value</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤规定值 ≤The specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤2 倍规定值 ≤200% of the specified value</td> </tr> </tbody> </table>	电容量变化率 Capacitance Change	≤±20%初始测量值 ≤±20% of Initial measured value	漏电流值 Leakage	≤规定值 ≤The specified value	损耗角正切值 Dissipation Factor	≤2 倍规定值 ≤200% of the specified value						
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## RXG Series

### ■ 额定纹波电流的频率系数 Frequency coefficient of rated ripple current

频率 (Hz) \ CAP (μF)	120	1K	10K	100K≤
18~82μF	1.00	1.50	1.75	1.80
100~560μF	1.00	1.30	1.40	1.50

### ■ 外形图及尺寸 Case size table



$\phi D \pm 0.5$	10	12.5 or 13	16	18
L	30,35,40,45,50	30,35,40,45,50	32, 35	32
$F \pm 0.5$	5.0		7.5	
$\phi d \pm 0.05$	0.6		0.8	
a	2.0			

### ■ 规格壳号、最大允许纹波电流

#### Standard sizes & Maximum permissible ripple current

CAP (μF) \ WV	400V		420V		450V	
	Size	Ripple	Size	Ripple	Size	Ripple
27					10x30	290
33	10x30	320	10x30	320	10x35	340
39	10x35	370	10x35	370	10x40	380
47	10x40	420	10x40	420	10x45 13x30	440 420
56	10x45 13x30	480 460	10x50 13x30	500 460	13x35	480
68	13x35	530	13x35	530	13x40	550
82	13x40	610	13x40	610	13x45 16x32	630 640
100	13x45 16x32	690 710	13x50 16x32	680 710	16x35	730
120	16x35 18x32	800	16x35 18x32	800	18x32	800