

## RPM Series 引线式导电聚合物固体铝电解电容器耐高压品

### High Voltage Conductive Polymer Aluminum Solid Electrolytic Capacitor of Radial Lead Type

- 耐高电压 High voltage(to250V)
- 高频低阻抗 Low ESR at high frequency range
- 高纹波 High ripple current capability
- 105°C,2000 小时 105°C,2000 hours assured

NEW

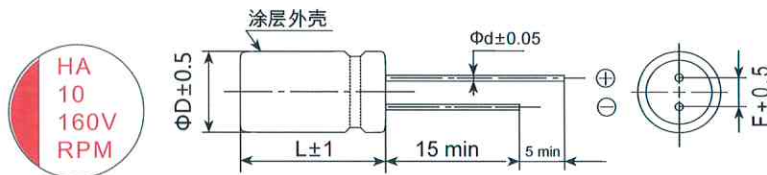


### 主要技术性能 Specifications

项目 Items	主要特性 Performance Characteristics								
使用温度范围 Operating Temperature Range	-55~+105℃								
额定电压范围 Rated Voltage Range	160~250V. DC								
标称容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20℃)								
漏电流(20℃) Leakage Current	施加额定工作电压 2 分钟, I≤0.2 CV(μA) After 2 minutes' application of rated voltage, the leakage current is not more than 0.2 CV								
损耗角正切值(120Hz 20℃) Dissipation Factor	测试频率 120Hz/温度 20℃, 损耗小于规范值 Less than the specified value at 120Hz, 20℃								
等效串联电阻 Equivalent Series Resistance	测试频率 100KHz/温度 20℃, 等效串联电阻小于规范值 Less than the specified value at 100KHz, 20℃								
耐久性 Load Life(105℃, 2,000hrs)	<p>在 105℃ 环境施加额定工作电压 2000 小时后,电容器的特性符合下表要求。 105℃ environment d rated operating voltage2,000 hours, capacitor characteristics meet the requirements in the following table.</p> <table border="1"> <tr> <td>电容量变化率 Capacitance Change</td> <td>初始值的±20%以内 Within ±20% of the initial value</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤规范值 Less than the specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤规范值的 150% Less than 150% of the specified value</td> </tr> <tr> <td>等效串联电阻 Equivalent Series Resistance</td> <td>≤规范值的 150% Less than 150% of the specified value</td> </tr> </table>	电容量变化率 Capacitance Change	初始值的±20%以内 Within ±20% of the initial value	漏电流值 Leakage	≤规范值 Less than the specified value	损耗角正切值 Dissipation Factor	≤规范值的 150% Less than 150% of the specified value	等效串联电阻 Equivalent Series Resistance	≤规范值的 150% Less than 150% of the specified value
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高温贮存 Shelf Life (105℃, 1000hrs)	<p>在 105℃ 环境放置 1000 小时后,电容器的特性符合下表要求。 After storage 1000 hours' at +105℃ and then resumed 16 hours, the characteristics requirements listed .</p> <table border="1"> <tr> <td>电容量变化率 Capacitance Change</td> <td>初始值的±20%以内 Within ±20% of the initial value</td> </tr> <tr> <td>漏电流值 Leakage</td> <td>≤规范值 Less than the specified value</td> </tr> <tr> <td>损耗角正切值 Dissipation Factor</td> <td>≤规范值的 150% Less than 150% of the specified value</td> </tr> <tr> <td>等效串联电阻 Equivalent Series Resistance</td> <td>≤规范值的 150% Less than 150% of the specified value</td> </tr> </table>	电容量变化率 Capacitance Change	初始值的±20%以内 Within ±20% of the initial value	漏电流值 Leakage	≤规范值 Less than the specified value	损耗角正切值 Dissipation Factor	≤规范值的 150% Less than 150% of the specified value	等效串联电阻 Equivalent Series Resistance	≤规范值的 150% Less than 150% of the specified value
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## RPM Series

### 外形图及尺寸 Case size table



mm

$\phi D \times L$	$\phi D$	L	F	$\phi d$
8×12	8	12	3.5	0.6
10×12	10	12	5.0	0.6
10×16	10	16	5.0	0.6
13×16	13	16	5.0	0.8
13×20	13	20	5.0	0.8
13×25	13	25	5.0	0.8

### 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance ( $\mu\text{F}$ )	产品编码 Part Number	等效串联电阻 ESR( $m\Omega$ max) 100KHz to 300KHz	耐纹波电流 (mA rms/ 105°C, 100KHz)	损耗 Tan $\delta$ (120Hz)	漏电流 (max) ( $\mu\text{A}$ )	尺寸 $\phi D \times L$ (mm)
160	10	RPM2C100M0812	35	2200	0.12	320	8×12
	15	RPM2C150M1012	35	2600	0.12	480	10×12
	22	RPM2C220M1016	35	2800	0.12	704	10×16
	33	RPM2C330M1316	30	2900	0.12	1056	13×16
	47	RPM2C470M1320	30	2900	0.12	1504	13×20
200	10	RPM2D100M1012	35	2600	0.12	400	10×12
	15	RPM2D150M1316	35	2900	0.12	600	13×16
	22	RPM2D220M1316	30	2900	0.12	880	13×16
	22	RPM2D220M1320	30	3100	0.12	880	13×20
	33	RPM2D330M1325	30	3100	0.12	1320	13×25
250	10	RPM2E100M1012	35	2600	0.12	500	10×12
	15	RPM2E150M1316	30	2900	0.12	600	13×16
	22	RPM2E220M1316	30	3100	0.12	880	13×16

### 纹波电流频率补偿系数 Frequency coefficient of allowable ripple current

Frequency 频率	120Hz ≤ f < 1KHz	1KHz ≤ f < 10KHz	10KHz ≤ f < 100KHz	100kHz ≤ f < 500KHz
Coefficient 系数	0.05	0.30	0.70	1.00