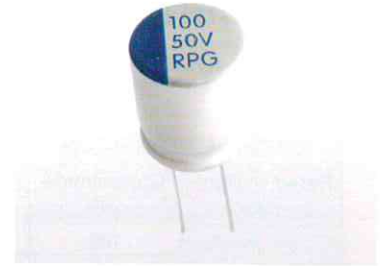


### RPG Series 引线式导电聚合物固体铝电解电容器高耐压品

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

- 耐高电压 High voltage(to100V)
- 高频低阻抗 Low ESR at high frequency range
- 高纹波 High ripple current capability
- 105℃,2000 小时 105℃,2000 hours assured

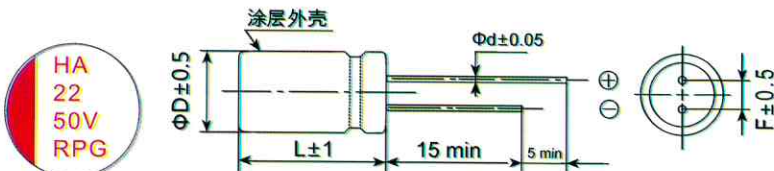


### 主要技术性能 Specifications

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	35~100V. DC	
标称电容量允许偏差 Capacitance Tolerance	±20% (120Hz, 20℃)	
漏电流(20℃) Leakage Current	施加额定工作电压 2 分钟, $I \leq 0.2 C_R U_R$ (μA) After 2 minutes' application of rated voltage, the leakage current is not more than $0.2 C_R U_R$	
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℃, 2000hrs)	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。 After 2000 hours application of rated voltage at +105℃, capacitors meet the characteristics requirements listed .	
	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
耐湿温特性 Damp heat( Steady state) (60℃, 90~95%RH, 1000hrs)	在温度为 60℃、湿度为 90~95%RH 的环境中, 1000 小时后, 电容器的特性符合下表要求。 60℃, 90 to 95%RH, 1000h, No applied voltage capacitors meet the characteristics requirements listed .	
	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

### 外形图及尺寸 Case size table

mm



Φ D×L	Φ D	L	F	Φ d
8×8	8	8	3.5	0.6
8×12	8	12	3.5	0.6
10×12	10	12	5.0	0.6

## RPG Series

## ■ 编码和规格 Part number &amp; Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance ( $\mu$ 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 $^{\circ}$ C, 100Khz)	损耗 Tan $\delta$ (120Hz)	漏电流 (max) ( $\mu$ A)	尺寸 $\Phi$ D $\times$ L (mm)
35	39	RPG1V390M0808	35	2600	0.12	273	8 $\times$ 8
	47	RPG1V470M0808	35	2600	0.12	329	8 $\times$ 8
	56	RPG1V560M0808	35	1900	0.12	392	8 $\times$ 8
	56	RPG1V560M0812	30	2980	0.12	392	8 $\times$ 12
	68	RPG1V680M0812	30	2980	0.12	476	8 $\times$ 12
	68	RPG1V680M1012	28	3800	0.12	476	10 $\times$ 12
	82	RPG1V820M0812	30	2300	0.12	574	8 $\times$ 12
	82	RPG1V820M1012	28	3800	0.12	574	10 $\times$ 12
	100	RPG1V101M0812	30	2980	0.12	700	8 $\times$ 12
	100	RPG1V101M1012	28	3800	0.12	700	10 $\times$ 12
	150	RPG1V151M1012	28	3800	0.12	1050	10 $\times$ 12
	220	RPG1V221M1012	28	3800	0.12	1540	10 $\times$ 12
	330	RPG1V331M1012	28	3800	0.12	2310	10 $\times$ 12
470	RPG1V471M1012	28	3800	0.12	3290	10 $\times$ 12	
50	22	RPG1H220M0808	50	1900	0.12	220	8 $\times$ 8
	33	RPG1H330M0808	50	1900	0.12	330	8 $\times$ 8
	39	RPG1H390M0812	45	2700	0.12	390	8 $\times$ 12
	47	RPG1H470M1012	40	2900	0.12	470	10 $\times$ 12
	68	RPG1H680M1012	40	2900	0.12	680	10 $\times$ 12
	82	RPG1H820M1012	40	2900	0.12	820	10 $\times$ 12
	100	RPG1H101M1012	40	2900	0.12	1000	10 $\times$ 12
	150	RPG1H151M1012	40	2900	0.12	1500	10 $\times$ 12
63	22	RPG1J220M0808	50	2300	0.12	277	8 $\times$ 8
	22	RPG1J220M0812	45	2400	0.12	277	8 $\times$ 12
	27	RPG1J270M0812	45	2400	0.12	340	8 $\times$ 12
	33	RPG1J330M0812	45	2400	0.12	416	8 $\times$ 12
	33	RPG1J330M1012	40	2900	0.12	416	10 $\times$ 12
	39	RPG1J390M1012	40	2900	0.12	491	10 $\times$ 12
	47	RPG1J470M1012	40	2900	0.12	592	10 $\times$ 12
	56	RPG1J560M1012	40	2900	0.12	705	10 $\times$ 12
	68	RPG1J680M1012	40	2900	0.12	857	10 $\times$ 12
82	RPG1J820M1012	40	2900	0.12	1033	10 $\times$ 12	
80	10	RPG1K100M0812	45	1700	0.12	160	8 $\times$ 12
	12	RPG1K120M0812	45	1900	0.12	192	8 $\times$ 12
	15	RPG1K150M0812	45	1900	0.12	240	8 $\times$ 12
	22	RPG1K220M1012	42	2300	0.12	352	10 $\times$ 12
	33	RPG1K330M1012	42	2300	0.12	528	10 $\times$ 12
100	6.8	RPG2A6R8M0808	50	1600	0.12	136	8 $\times$ 8
	10	RPG2A100M0812	45	1800	0.12	200	8 $\times$ 12
	18	RPG2A180M1012	42	2200	0.12	360	10 $\times$ 12
	22	RPG2A220M1012	42	2200	0.12	440	10 $\times$ 12
	33	RPG2A220M1012	42	2200	0.12	660	10 $\times$ 12

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

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