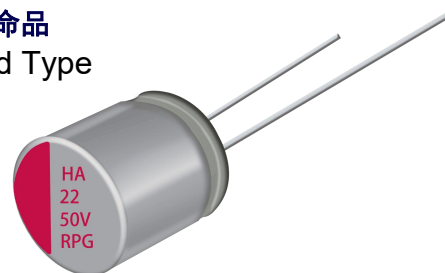


### RPG Series 引线式导电聚合物固体铝电解电容器高耐压长寿命品 High Voltage and Long Life . Conductive Polymer . Radial Lead Type

- 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℃,3000 小时 105℃,3000 hours assured

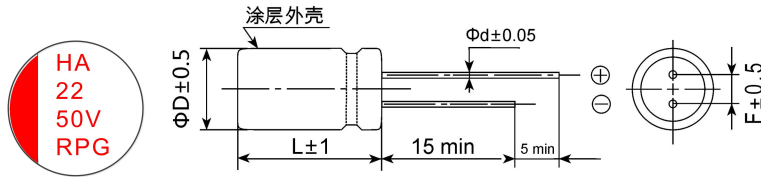


#### ■ 主要技术性能 Specifications

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	16~100V. 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 3000 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

### RPG Series

#### ■ 外形图及尺寸 Case size table



mm

ΦD×L	ΦD	L	F	Φd
6.3×5	6.3	5	2.5	0.5
6.3×7	6.3	7	2.5	0.5
6.3×9	6.3	9	2.5	0.5/0.6
8×8	8	8	3.5	0.6
8×12	8	12	3.5	0.6
8×16	8	16	3.5	0.6
8×20	8	20	3.5	0.6
10×12	10	12	5.0	0.6
10×16	10	16	5.0	0.6
10×20	10	20	5.0	0.6

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

额定电压 Rated Voltage (V)	标称容量 Capacitance (μF)	产品编码 Part Number	等效串联电阻 ESR(mΩ max) 100Khz to 300Khz	耐纹波电流 (mA rms/ 105°C, 100Khz)	损耗 Tan δ (120Hz)	漏电流 (max) (μA)	尺寸 ΦD×L (mm)
16	220	RPG1C221M0808	26	2100	0.12	704	8×8
	270	RPG1C271M0812	24	2500	0.12	864	8×12
	470	RPG1C471M1012	23	2900	0.12	1504	10×12
20	150	RPG1D151M0808	27	2000	0.12	600	8×8
	220	RPG1D221M0812	24	2400	0.12	880	8×12
	330	RPG1D331M1012	24	2800	0.12	1320	10×12
25	82	RPG1E820M0607	28	2780	0.12	410	6.3×7
	100	RPG1E101M0607	28	2780	0.12	500	6.3×7
	120	RPG1E121M0607	28	2000	0.12	600	6.3×7
	150	RPG1E151M0812	26	2400	0.12	750	8×12
	220	RPG1E221M0812	16	4650	0.10	1100	8×12
	270	RPG1E271M0812	16	2800	0.12	1350	8×12
	330	RPG1E331M0812	16	4650	0.10	1650	8×12
	470	RPG1E471M0812	16	4650	0.10	2350	8×12
	560	RPG1E561M0816	14	5000	0.10	2800	8×16
	560	RPG1E561M1012	14	5100	0.10	2800	10×12
	680	RPG1E681M0816	14	5000	0.10	3400	8×16
	680	RPG1E681M1012	14	5100	0.10	3400	10×12
	820	RPG1E821M0820	13	5100	0.10	4100	8×20
1000	RPG1E102M1016	13	5200	0.10	5000	10×16	
1500	RPG1E152M1020	13	5300	0.10	7500	10×20	
35	22	RPG1V220M0505	80	1000	0.12	154	5×6
	39	RPG1V390M0605	35	2600	0.12	273	6.3×5
	47	RPG1V470M0605	35	2300	0.12	329	6.3×5
	56	RPG1V560M0605	35	2800	0.12	392	6.3×5
	68	RPG1V680M0608	25	2600	0.12	476	6.3×7
	82	RPG1V820M0609	25	2350	0.12	574	6.3×9
	100	RPG1V101M0609	25	2350	0.12	700	6.3×9
	100	RPG1V101M0808	23	2800	0.12	700	8×8
	150	RPG1V151M0812	25	2890	0.12	1050	8×12
	220	RPG1V221M0812	25	2890	0.12	1540	8×12
	330	RPG1V331M1012	24	3400	0.12	2310	10×12

### RPG Series

#### ■ 编码和规格 Part number & 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	470	RPG1V471M0820	20	4400	0.12	3290	8 $\times$ 20
	470	RPG1V471M1016	25	4000	0.12	3290	10 $\times$ 16
	560	RPG1V561M1016	23	4200	0.12	3920	10 $\times$ 16
	680	RPG1V681M1020	20	4800	0.12	4760	10 $\times$ 20
50	22	RPG1H220M0808	35	2350	0.12	220	8 $\times$ 8
	33	RPG1H330M0808	35	2350	0.12	330	8 $\times$ 8
	39	RPG1H390M0812	28	2600	0.12	390	8 $\times$ 12
	47	RPG1H470M1012	28	2600	0.12	470	8 $\times$ 12
	68	RPG1H680M1012	28	2600	0.12	680	8 $\times$ 12
	82	RPG1H820M1012	28	2600	0.12	820	8 $\times$ 12
	100	RPG1H101M1012	28	2600	0.12	1000	8 $\times$ 12
	150	RPG1H151M1012	25	3100	0.12	1500	10 $\times$ 12
	180	RPG1H181M1012	25	3100	0.12	1800	10 $\times$ 12
	220	RPG1H221M1012	25	3100	0.12	2200	10 $\times$ 12
	390	RPG1H391M1020	23	3800	0.12	3900	10 $\times$ 20
63	22	RPG1J220M0808	35	2100	0.12	277	8 $\times$ 8
	27	RPG1J270M0812	30	2400	0.12	340	8 $\times$ 12
	33	RPG1J330M0812	30	2500	0.12	416	8 $\times$ 12
	39	RPG1J390M0812	30	2500	0.12	491	8 $\times$ 12
	47	RPG1J470M0812	30	2500	0.12	592	8 $\times$ 12
	56	RPG1J560M1012	25	2900	0.12	705	10 $\times$ 12
	68	RPG1J680M1012	25	2900	0.12	857	10 $\times$ 12
	82	RPG1J820M1012	25	2900	0.12	1033	10 $\times$ 12
	100	RPG1J101M1012	30	2900	0.12	1260	10 $\times$ 12
180	RPG1J181M1012	30	2900	0.12	2268	10 $\times$ 12	
80	10	RPG1K100M0808	40	1700	0.12	160	8 $\times$ 8
	12	RPG1K120M0808	40	1700	0.12	192	8 $\times$ 8
	15	RPG1K150M0808	40	1700	0.12	240	8 $\times$ 8
	22	RPG1K220M0808	40	1700	0.12	352	8 $\times$ 8
	22	RPG1K220M0812	35	2300	0.12	352	8 $\times$ 12
	33	RPG1K330M0812	35	2300	0.12	528	8 $\times$ 12
	47	RPG1K470M1012	32	2100	0.12	752	10 $\times$ 12
	82	RPG1K820M1012	32	2200	0.12	1312	10 $\times$ 12
100	6.8	RPG2A6R8M0808	45	1600	0.12	136	8 $\times$ 8
	10	RPG2A100M0812	42	1800	0.12	200	8 $\times$ 12
	18	RPG2A180M1012	38	2200	0.12	360	10 $\times$ 12
	22	RPG2A220M1012	38	2200	0.12	440	10 $\times$ 12
	33	RPG2A330M1012	38	2200	0.12	660	10 $\times$ 12
	47	RPG2A470M1012	35	2100	0.12	940	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

#### ■ 纹波电流温度补偿系数

温度 $^{\circ}$ C	+40	+55	+70	+85	+105
系数	2.5	2.1	1.8	1.5	1.00