

RPZ Series 引线式导电聚合物固体铝电解电容器极低 ESR 品 Extra Low ESR Conductive Polymer Aluminum Solid Electrolytic Capacitor of Radial Lead Type

- 105℃、2000 小时 105℃、2000 hours
- 性能稳定，可靠性高 High stability and reliability
- 极低 ESR、耐大纹波电流 Extra Low ESR、High ripple current capability

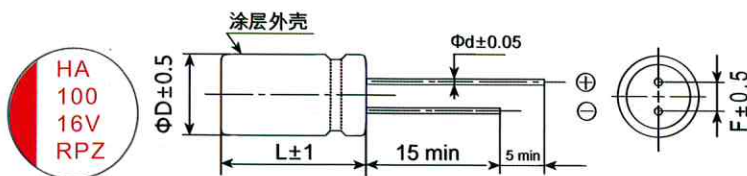


主要技术性能 Specifications

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	2.5~25V. 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



ΦD×L	ΦD	L	F	Φd
5×6	5	6	2.0	0.5
5×7	5	7	2.0	0.5
5×8	5	8	2.0	0.5
6.3×6	6.3	6	2.5	0.5
6.3×8	6.3	8	2.5	0.5/0.6
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
10×12	10	12	5.0	0.6

RPZ Series

■ 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance (μ F)	产品编码 Part Number	等效串联电阻 ESR(m Ω max) 100Khz to 300Khz	耐纹波电流 (mA rms/ 105°C, 100Khz)	损耗 Tan δ (120Hz)	漏电流 (max) (μ A)	尺寸 Φ D×L (mm)
2.5	220	RPZ0E221M0506	25	2200	0.12	110	5×6
	270	RPZ0E271M0606	15	2610	0.12	135	6.3×6
	330	RPZ0E331M0507	12	2610	0.12	165	5×7
	390	RPZ0E391M0507	12	2610	0.12	195	5×7
	470	RPZ0E471M0508	10	2610	0.12	235	5×8
	560	RPZ0E561M0508	10	2610	0.12	280	5×8
	560	RPZ0E561M0608	9	2690	0.12	280	6.3×8
	680	RPZ0E681M0808	8	4080	0.12	340	8×8
	820	RPZ0E821M0808	8	4080	0.12	410	8×8
	1000	RPZ0E102M0812	7	4520	0.12	500	8×12
	1500	RPZ0E152M0812	7	4820	0.12	750	8×12
	2200	RPZ0E222M1012	7	5100	0.12	1100	10×12
	3300	RPZ0E332M1012	7	5230	0.12	1650	10×12
4	100	PPZ0G101M0506	25	1970	0.12	80	5×6
	150	PPZ0G151M0606	15	2600	0.12	120	6.3×6
	220	PPZ0G221M0507	12	2610	0.12	176	5×7
	270	PPZ0G271M0507	12	2610	0.12	216	5×7
	330	PPZ0G331M0508	10	2610	0.12	264	5×8
	470	PPZ0G471M0608	9	2610	0.12	376	6.3×8
	560	PPZ0G561M0808	9	4080	0.12	448	8×8
	680	PPZ0G681M0808	9	4080	0.12	544	8×8
	820	PPZ0G821M0808	8	4080	0.12	656	8×8
	1000	PPZ0G102M0812	8	4520	0.12	800	8×12
	1500	PPZ0G152M1012	7	5440	0.12	1200	10×12
	2200	PPZ0G222M1012	7	5440	0.12	1760	10×12
	3300	PPZ0G332M1012	7	5440	0.12	2640	10×12
6.3	100	RPZ0J101M0606	15	2390	0.12	126	6.3×6
	150	RPZ0J151M0606	15	2690	0.12	189	6.3×6
	220	RPZ0J221M0507	12	2690	0.12	277	5×7
	270	RPZ0J271M0507	12	2690	0.12	340	5×7
	270	RPZ0J271M0608	9	2990	0.12	340	6.3×8
	330	RPZ0J331M0508	10	2690	0.12	416	5×8
	330	RPZ0J331M0608	9	2990	0.12	416	6.3×8
	390	RPZ0J391M0508	10	2690	0.12	491	5×8
	470	RPZ0J471M0608	9	2990	0.12	592	6.3×8
	560	RPZ0J561M0608	9	2990	0.12	706	6.3×8
	560	RPZ0J561M0808	9	4080	0.12	706	8×8
	680	RPZ0J681M0808	9	4080	0.12	857	8×8
	820	RPZ0J821M0812	8	4520	0.12	1033	8×12
	1000	RPZ0J102M0808	9	4080	0.12	1260	8×8
	1000	RPZ0J102M0812	8	4520	0.12	1260	8×12
	1500	RPZ0J152M0812	8	4520	0.12	1890	8×12
	1500	RPZ0J152M1012	7	5440	0.12	1890	10×12
2200	RPZ0J222M1012	7	5440	0.12	2772	10×12	

RPZ Series

■ 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	标称容量 Capacitance (μ F)	产品编码 Part Number	等效串联电阻 ESR(m Ω max) 100Khz to 300Khz	耐纹波电流 (mA rms/ 105 $^{\circ}$ C, 100Khz)	损耗 Tan δ (120Hz)	漏电流 (max) (μ A)	尺寸 Φ D \times L (mm)
10	100	RPZ1A101M0606	15	2200	0.12	200	6.3 \times 6
	150	RPZ1A151M0507	13	2690	0.12	300	5 \times 7
	220	RPZ1A221M0507	13	2690	0.12	440	5 \times 7
	220	RPZ1A221M0606	15	2200	0.12	440	6.3 \times 6
	270	RPZ1A271M0608	12	2690	0.12	540	6.3 \times 8
	330	RPZ1A331M0608	12	2690	0.12	660	6.3 \times 8
	330	RPZ1A331M0808	9	4080	0.12	660	8 \times 8
	470	RPZ1A471M0808	9	4080	0.12	940	8 \times 8
	470	RPZ1A471M0812	8	4080	0.12	940	8 \times 12
	560	RPZ1A561M0812	8	4080	0.12	1120	8 \times 12
	680	RPZ1A681M0812	8	4520	0.12	1360	8 \times 12
	820	RPZ1A821M0812	8	4520	0.12	1640	8 \times 12
	1000	RPZ1A102M0812	8	4520	0.12	2000	8 \times 12
	1000	RPZ1A102M1012	7	5100	0.12	2000	10 \times 12
1500	RPZ1A152M1012	7	5100	0.12	3000	10 \times 12	
16	33	RPZ1C330M0508	15	2200	0.12	106	5 \times 8
	47	RPZ1C470M0508	15	2200	0.12	150	5 \times 8
	47	RPZ1C470M0606	14	2400	0.12	150	6.3 \times 6
	68	RPZ1C680M0508	15	2200	0.12	218	5 \times 8
	68	RPZ1C680M0608	14	2690	0.12	218	6.3 \times 8
	82	RPZ1C820M0608	13	2690	0.12	263	6.3 \times 8
	100	RPZ1C101M0508	13	2200	0.12	320	5 \times 8
	100	RPZ1C101M0608	12	2690	0.12	320	6.3 \times 8
	150	RPZ1C151M0608	12	2690	0.12	480	6.3 \times 8
	220	RPZ1C221M0608	12	2690	0.12	704	6.3 \times 8
	220	RPZ1C221M0808	9	3500	0.12	704	8 \times 8
	270	RPZ1C271M0808	9	3500	0.12	864	8 \times 8
	270	RPZ1C271M0812	8	3640	0.12	864	8 \times 12
	330	RPZ1C331M0812	8	4520	0.12	1056	8 \times 12
	330	RPZ1C331M1012	7	4720	0.12	1056	10 \times 12
	470	RPZ1C471M0812	8	4520	0.12	1504	8 \times 12
	470	RPZ1C471M1012	7	4720	0.12	1504	10 \times 12
	560	RPZ1C561M1012	7	4720	0.12	1792	10 \times 12
	680	RPZ1C681M1012	7	5100	0.12	2176	10 \times 12
820	RPZ1C821M1012	7	5100	0.12	2624	10 \times 12	
25	47	RPZ1E470M0606	40	1050	0.12	235	6.3 \times 6
	68	RPZ1E680M0608	30	1600	0.12	340	6.3 \times 8
	100	RPZ1E121M0808	22	1800	0.12	500	8 \times 8
	100	RPZ1E101M0812	16	3000	0.12	500	8 \times 12
	220	RPZ1E221M0812	16	3000	0.12	1100	8 \times 12
	220	RPZ1E221M1012	14	4000	0.12	1100	10 \times 12
	270	RPZ1E271M1012	14	4000	0.12	1350	10 \times 12
	330	RPZ1E331M0812	16	3000	0.12	1650	8 \times 12
	330	RPZ1E331M1012	14	4000	0.12	1650	10 \times 12
	470	RPZ1E471M1012	14	4000	0.12	2350	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