

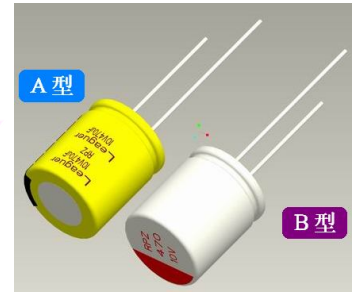


RPZ-8 Series 引线式导电聚合物固体铝电解电容器极低 ESR 品
Extra Low ESR Conductive Polymer Alumin
Solid Electrolytic Capacitors of Radial Lead Type

➤ 特性 Features

- 105°C、2000 小时 105°C、2000 hours assured
- 高频状态下的 ESR 约为 RPT 的 50%
About 50% ESR less than RPT series at high frequency range
- 高纹波 High ripple current capability

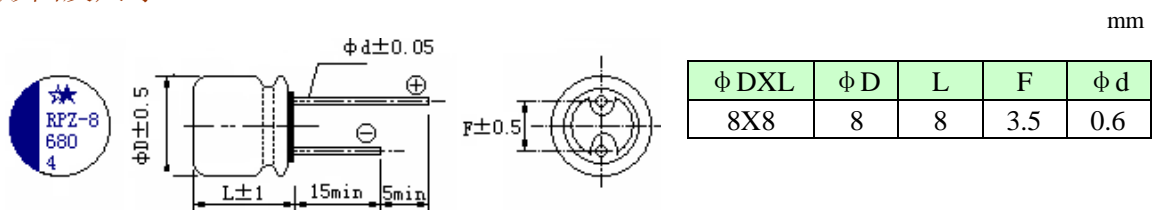
NEW



➤ 主要技术性能 Specifications

主要技术性能项目 Specifications Items	主要特性 Performance Characteristics									
使用温度范围 Operating Temperature Range	-55~+105°C									
额定电压范围 Rated Voltage Range	2.5~16V.DC									
标称电容量范围 Nominal Capacitance Range	100~1000uF									
标称电容量允许偏差 Capacitance Tolerance	+/-20% (120Hz, 20°C)									
漏电流(20°C) Leakage Current	施加额定工作电压 2 分钟, I≤0.2CV (uA) After 2 minutes; application of rated voltage,the leakage current is not more than 0.2 CV (uA)									
损耗角正切值(120Hz 20°C) Dissipation Factor	测试频率 120Hz/20°C,损耗小于规范值 Less than the specified value at 120Hz, 20°C									
等效串联电阻 Equivalent Series Resistance	测试频率 100KHz/温度 20°C, 等效串联电阻小于规范值 Less than the specified value at 100KHz, 20°C									
纹波电流 Ripple Current	小于规范值 Less than the specified value									
耐久性 Load Life(105°C, 2000hrs)	+105°C 施加额定电压 2000 小时, 电容器应满足右表要求 After applying rated voltage for 2000 hours at +105°C, capacitors meet the characteristics requirements listed at right.	<table border="1"> <tr> <td>电容量变化率 Capacitance Change</td> <td>+/-20%初始值以内 Within +/-20% of 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>ESR 阻抗 Impedance</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	+/-20%初始值以内 Within +/-20% of 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	ESR 阻抗 Impedance	≤ 规范值的 150% Less than 150% of the specified value
	电容量变化率 Capacitance Change	+/-20%初始值以内 Within +/-20% of 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								
ESR 阻抗 Impedance	≤ 规范值的 150% Less than 150% of the specified value									
耐湿负荷特性 Moisture Resistance (60°C, 90~95%RH, 1000hrs)	在温度 60°C、湿度 90~95% 的环境中施加额定工作电压 1000 小时后, 电容器的特性符合右表要求 After 1000 hours; application of rated voltage at +60°C and 90~95%RH, capacitors meet the characteristics requirements listed at right.	<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 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、阻抗 ESR、Impedance</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 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、阻抗 ESR、Impedance	≤ 规范值的 150% Less than 150% of the specified value
	电容量变化率 Capacitance Change	初始值的 +/-20% 以内 Within +/-20% of 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、阻抗 ESR、Impedance	≤ 规范值的 150% Less than 150% of the specified value									

➤ 外形图及尺寸 Case size table





RPZ-8 Series

➤ 编码和规格 Part number & Specifications

工作电压 (V)	标称容量 (uF)	产品编码 P/N	ESR 100KHz to 300KHz (mΩ max)	耐纹波电流 100KHz (mArms) at 105°C	损耗角正切值 (max)	漏电流 (max) (uA)	尺寸 Size
2.5	560	RPZ0E561M0808	6	6100	0.12	280	8X8
	680	RPZ0E681M0808	6	6100	0.12	340	
	820	RPZ0E821M0808	6	6100	0.12	410	
	1000	RPZ0E102M0808	6	6100	0.12	500	
4	560	RPZ0G561M0808	6	6100	0.12	448	
	680	RPZ0G681M0808	6	6100	0.12	544	
	820	RPZ0G821M0808	6	6100	0.12	656	
6.3	330	RPZ0J331M0808	8	5700	0.12	416	
	390	RPZ0J391M0808	8	5700	0.12	490	
	470	RPZ0J471M0808	8	5700	0.12	592	
	560	RPZ0J561M0808	8	5700	0.12	706	
	680	RPZ0J681M0808	8	5700	0.12	856	
10	220	RPZ1A221M0808	16	4000	0.12	440	
	270	RPZ1A271M0808	16	4200	0.12	540	
16	100	RPZ1C101M0808	28	3800	0.12	320	

➤ 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

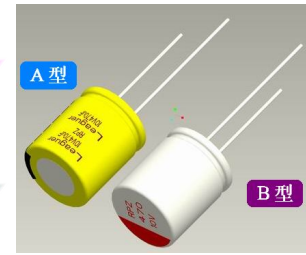


RPZ-12 Series 引线式导电聚合物固体铝电解电容器**极低 ESR 品**
 Extra Low ESR Conductive Polymer Aluminum Solid Electrolytic Capacitors of Radial Lead Type

➤ 特性 Features

- ┆ 105℃、2000 小时 105℃、2000 hours assured
- ┆ 高频状态下的 ESR 约为 RPT 的 50%
About 50% ESR less than RPT series at high frequency range
- ┆ 高纹波 High ripple current capability

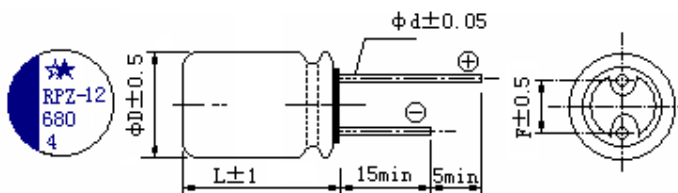
NEW



➤ 主要技术性能 Specifications

主要技术性能项目 Specifications 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	2.5~16V.DC	
标称电容量范围 Nominal Capacitance Range	68~2700 μ F	
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, $I \leq 0.2CV$ (uA) After 2 minutes; application of rated voltage, the leakage current is not more than 0.2 CV (uA)	
损耗角正切值(120Hz 20℃) Dissipation Factor	测试频率 120Hz/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℃	
纹波电流 Ripple Current	小于规范值 Less than the specified value	
耐久性 Load Life(105℃, 2000hrs)	电容量变化率 Capacitance Change	+/-20%初始值以内 Within +/-20% of 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
	ESR 阻抗 Impedance	≤ 规范值的 150% Less than 150% of the specified value
耐湿负荷特性 Moisture Resistance (60℃, 90~95%RH, 1000hrs)	电容量变化率 Capacitance Change	初始值的 +/-20% 以内 Within +/-20% of 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、阻抗 ESR、Impedance	≤ 规范值的 150% Less than 150% of the specified value

➤ 外形图及尺寸 Case size table



m m

ϕ DXL	ϕ D	L	F	ϕ d
8X12	8	12	3.5	0.6
10X12	10	12	5.0	0.6



RPZ-12 Serie

➤ 编码和规格 Part number & Specifications

工作电压 (V)	标称容量 (uF)	产品编码 P/N	ESR 100KHz to 300KHz (mΩ max)	耐纹波电流 100KHz (mArms) at 105°C	损耗角正切值 (max)	漏电流 (max) (uA)	尺寸 Size
2.5	680	RPZ0E681M0812	7	5600	0.08	340	8X11.5
	820	RPZ0E821M0812	7	5600	0.08	410	8X11.5
	1500	RPZ0E152M1012	7	6100	0.08	750	10X12.5
	2700	RPZ0E272M1012	7	6100	0.08	1350	10X12.5
4	820	RPZ0G821M0812	7	5600	0.08	656	8X11.5
	1000	RPZ0G102M1012	7	6100	0.12	800	10X12.5
	1200	RPZ0G122M1012	7	6100	0.12	960	10X12.5
	1500	RPZ0G152M1012	7	6100	0.07	1200	10X12.5
	2200	RPZ0G222M1012	7	6100	0.07	1750	10X12.5
6.3	330	RPZ0J331M0812	7	5600	0.07	416	8X11.5
	470	RPZ0J471M0812	7	5600	0.08	592	8X11.5
	680	RPZ0J681M1012	7	6100	0.08	856	10X12.5
	820	RPZ0J821M1012	7	6100	0.12	1033	10X12.5
	1000	RPZ0J102M1012	7	6100	0.12	1260	10X12.5
	1500	RPZ0J152M1012	7	6100	0.12	1890	10X12.5
10	100	RPZ1A101M0812	7	5600	0.07	200	8X11.5
	220	RPZ1A221M1012	7	6100	0.07	440	10X12.5
	330	RPZ1A331M1012	7	6100	0.07	660	10X12.5
	470	RPZ1A471M1012	7	6100	0.08	940	10X12.5
	560	RPZ1A561M1012	7	6100	0.08	1120	10X12.5
	820	RPZ1A821M1012	7	6100	0.12	1640	10X12.5
16	68	RPZ1C680M0812	7	5600	0.06	189	8X11.5
	100	RPZ1C101M0812	7	5600	0.06	320	8X11.5
	180	RPZ1C181M1012	7	5800	0.06	576	10X12.5
	330	RPZ1C331M1012	7	6100	0.08	1056	10X12.5

➤ 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

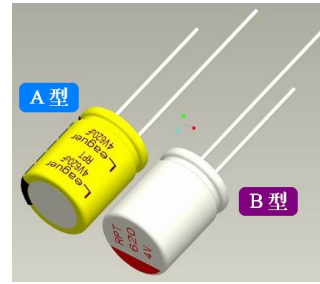


RPT-12 Series 引线式导电聚合物固体电解电容器**标准品**
Standard Conductive Polymer Aluminum Solid Electrolytic Capacitor of Radial Lead Type

➤ 特性 Features

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

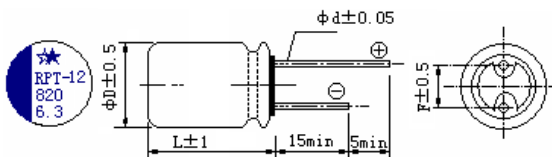
NEW



➤ 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	4.0~20V.DC	
标称电容量范围 Nominal Capacitance Range	47~1200 ₁ F	
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, $I \leq 0.2CV(\mu A)$ after 2 minutes; application of rated voltage, the leakage current is not more than $0.2CV(\mu A)$	
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℃	
纹波电流 Ripple Current	小于规范值 Less than the specified value	
耐久性 Load Life(105℃, 2000hrs)	+105℃施加额定电压 2000 小时, 电容器应满足要求 After applying rated voltage for 2000 hours at +105℃, capacitors meet the characteristics requirements listed at right.	
	电容量变化率 Capacitance Change	初始值的+/-20%以内 Within +/-20% of initial value
	漏电流值 Leakage Current	≤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
耐湿负荷特性 Moisture Resistance (60℃, 90~95%RH, 1000hrs)	在温度 60℃、湿度 90~95%的环境中施加额定工作电压 1000 小时后, 电容器的特性符合右表要求 After 1000 hours; application of rated voltage at +60℃ and 90~95%RH, capacitors meet the characteristics requirements listed at right.	
	电容量变化率 Capacitance Change	初始值的+/-20%以内 Within +/-20% of Initial value
	漏电流值 Leakage Current	≤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 DXL	φ D	L	F	φ d
8X12	8	12	3.5	0.6
10X12	10	12	5.0	0.6



RPT-12 Series

➤ 编码和规格 Part number & Specifications

额定电压 Rated Voltage (V)	静电容量 Capacitance (μ F)	产品编码 Part Number	漏电流 (μ A) Leakage Current	损耗 Tan δ (120Hz)	等效串联电阻 ESR 100-300KHz 20°C ($m\Omega$)	最大纹波电流 Max. Ripple Current (mA rms) 100KHz at 105°C	壳号 Φ DXL (mm)
4	560	RPT0G561M0812	448.0	0.12	14	4080	8X12
	680	RPT0G681M1012	544.0	0.12	13	4840	10X12
	820	RPT0G821M1012	656.0	0.12	12	5040	10X12
	1000	RPT0G102M1012	800.0	0.12	12	5040	10X12
	1200	RPT0G122M1012	960.0	0.15	12	5040	10X12
6.3	150	RPT0J151M0612	189.0	0.12	30	2780	8X12
	220	RPT0J221M0612	277.2	0.12	30	3000	8X12
	330	RPT0J331M0812	415.8	0.12	25	3500	8X12
	390	RPT0J391M0812	491.4	0.12	16	3500	8X12
	470	RPT0J471M0812	592.2	0.12	16	3810	10X12
	560	RPT0J561M0812	705.6	0.12	14	4330	10X12
	680	RPT0J681M1012	856.8	0.12	13	4840	10X12
	820	RPT0J821M1012	1033.2	0.15	12	5040	10X12
10	100	RPT1A101M0612	200.0	0.12	30	2200	8X12
	220	RPT1A221M0812	440.0	0.12	27	3370	8X12
	330	RPT1A331M0812	660.0	0.12	21	4140	10X12
	470	RPT1A471M1012	940.0	0.12	15	4510	10X12
	560	RPT1A561M1012	1120	0.10	14	5000	10X12
16	68	RPT1C680M0612	217.6	0.10	36	2700	8X12
	100	RPT1C101M0612	320.0	0.10	30	2740	8X12
	150	RPT1C151M0812	480.0	0.10	28	3260	10X12
	180	RPT1C181M0812	576.0	0.10	21	4330	10X12
	330	RPT1C331M1012	1056.0	0.10	15	5050	10X12
20	47	RPT1D470M0812	188.0	0.10	28	3400	8X12
	68	RPT1D680M0812	272.0	0.10	25	3600	8X12
	100	RPT1D101M1012	400.0	0.10	15	4500	10X12

➤ 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

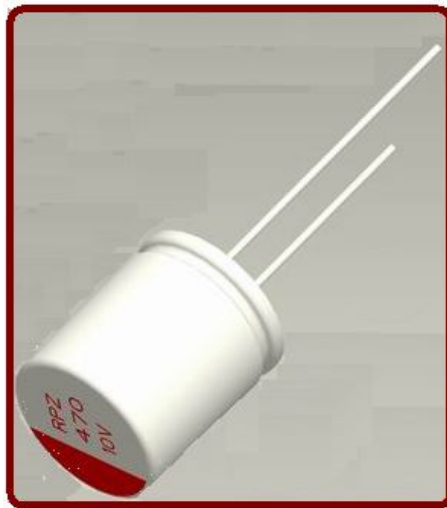


导电聚合物固体铝电解电容器

Conductive Polymer Aluminum Solid Electrolytic Capacitor

第一期产品目录

Earliest Product Catalogue



珠海华冠电容器有限公司
Zhuhai Leaguer Capacitor Co., Ltd.