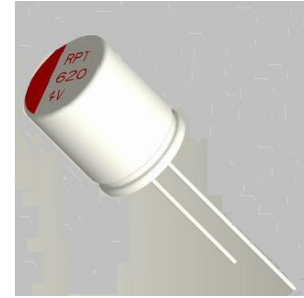


RPX Series 引线式导电聚合物固体铝电解电容器小体积品
Small Size Conductive Polymer Aluminum Solid Electrolytic Capacitor of Radial Lead Type



■ 特性 Features

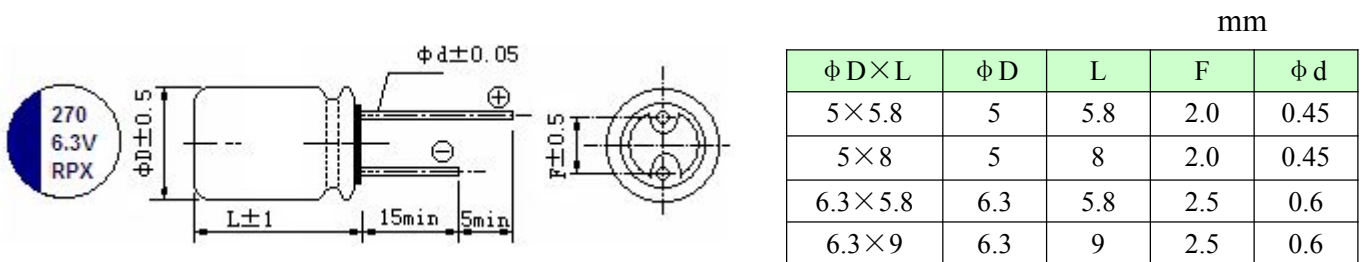
- 体积小 Small Size
- 高频低阻抗 Low ESR at high frequency range
- 高纹波 High ripple current capability
- 105℃,2000 小时 105℃,2000 hours assured



■ 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	2.5~20V. 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, $I \leq 0.2 C_R U_R (\mu A)$ 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



RPX 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	漏电流 (μ A) Leakage Current	损耗 Tan δ (120Hz)	等效串联电阻 (m Ω) ESR 100-300KHz 20 $^{\circ}$ C	耐纹波电流 (mA rms) Max. Ripple Current 100KHz at 105 $^{\circ}$ C	尺寸 Φ D \times L (mm)
2.5	100	RPX0E101M0505	100	0.12	30	1670	5 \times 5.8
	150	RPX0E151M0505	100	0.12	30	1970	5 \times 5.8
	220	RPX0E221M0505	110	0.12	30	2200	5 \times 5.8
	270	RPX0E271M0605	135	0.12	25	2610	6.3 \times 5.8
	270	RPX0E271M0609	135	0.12	18	2690	6.3 \times 9
	330	RPX0E331M0508	165	0.12	18	2610	5 \times 8
	330	RPX0E331M0609	165	0.12	18	2690	6.3 \times 9
	390	RPX0E391M0508	195	0.12	18	2610	5 \times 8
	390	RPX0E391M0609	195	0.12	18	2690	6.3 \times 9
	470	RPX0E471M0508	235	0.12	18	2610	5 \times 8
	470	RPX0E471M0609	235	0.12	18	2690	6.3 \times 9
	560	RPX0E561M0508	280	0.12	18	2610	5 \times 8
	560	RPX0E561M0609	280	0.12	18	2690	6.3 \times 9
4	100	RPX0G101M0505	100	0.12	30	1970	5 \times 5.8
	100	RPX0G101M0605	100	0.12	28	2600	6.3 \times 5.8
	150	RPX0G151M0508	120	0.12	28	1970	5 \times 8
	150	RPX0G151M0605	120	0.12	26	2600	6.3 \times 5.8
	180	RPX0G181M0508	144	0.12	28	1970	5 \times 8
	180	RPX0G181M0605	144	0.12	26	2600	6.3 \times 5.8
	220	RPX0G221M0508	176	0.12	20	2610	5 \times 8
	220	RPX0G221M0609	176	0.12	18	2690	6.3 \times 9
	270	RPX0G271M0508	216	0.12	20	2610	5 \times 8
	270	RPX0G271M0609	216	0.12	18	2690	6.3 \times 9
	330	RPX0G331M0508	264	0.12	20	2610	5 \times 8
	330	RPX0G331M0609	264	0.12	18	2690	6.3 \times 9
	390	RPX0G391M0508	312	0.12	20	2610	5 \times 8
	390	RPX0G391M0609	312	0.12	18	2690	6.3 \times 9
	470	RPX0G471M0609	376	0.12	18	2690	6.3 \times 9
560	RPX0G561M0609	448	0.12	18	2690	6.3 \times 9	
6.3	82	RPX0J820M0605	103	0.12	30	1800	6.3 \times 5.8
	100	RPX0J101M0605	126	0.12	25	2390	6.3 \times 5.8
	150	RPX0J151M0508	189	0.12	25	2390	5 \times 8
	150	RPX0J151M0605	189	0.12	23	2690	6.3 \times 5.8
	180	RPX0J181M0508	227	0.12	20	2390	5 \times 8
	180	RPX0J181M0609	227	0.12	18	2690	6.3 \times 9
	220	RPX0J221M0508	277	0.12	20	2690	5 \times 8
	220	RPX0J221M0609	277	0.12	18	2990	6.3 \times 9
	270	RPX0J271M0508	340	0.12	20	2690	5 \times 8
	270	RPX0J271M0609	340	0.12	18	2990	6.3 \times 9
	330	RPX0J331M0508	416	0.12	20	2690	5 \times 8
	330	RPX0J331M0609	416	0.12	18	2990	6.3 \times 9
	390	RPX0J391M0508	491	0.12	20	2690	5 \times 8
	390	RPX0J391M0609	491	0.12	18	2990	6.3 \times 9
470	RPX0J471M0609	592	0.12	18	2990	6.3 \times 9	

RPX 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 ($m\Omega$) ESR 100-300KHz 20 $^{\circ}$ C	耐纹波电流 (mA rms) Max. Ripple Current 100KHz at 105 $^{\circ}$ C	尺寸 Φ D \times L (mm)
10	47	RPX1A470M0605	100	0.12	30	2200	6.3 \times 5.8
	68	RPX1A680M0605	136	0.12	30	2200	6.3 \times 5.8
	82	RPX1A820M0508	164	0.12	30	2100	5 \times 8
	82	RPX1A820M0605	164	0.12	30	2200	6.3 \times 5.8
	100	RPX1A101M0508	200	0.12	30	2100	5 \times 8
	100	RPX1A101M0605	200	0.12	30	2200	6.3 \times 5.8
	150	RPX1A151M0508	300	0.12	25	2690	5 \times 8
	150	RPX1A151M0609	300	0.12	23	2690	6.3 \times 9
	180	RPX1A181M0508	360	0.12	25	2690	5 \times 8
	180	RPX1A181M0609	360	0.12	23	2690	6.3 \times 9
	220	RPX1A221M0508	440	0.12	25	2690	5 \times 8
	220	RPX1A221M0609	440	0.12	23	2690	6.3 \times 9
	270	RPX1A271M0609	540	0.12	23	2690	6.3 \times 9
	330	RPX1A331M0609	660	0.12	23	2690	6.3 \times 9
16	33	RPX1C330M0605	106	0.12	28	2400	6.3 \times 5.8
	39	RPX1C390M0508	125	0.12	30	2200	5 \times 8
	39	RPX1C390M0605	125	0.12	28	2400	6.3 \times 5.8
	47	RPX1C470M0508	150	0.12	30	2200	5 \times 8
	47	RPX1C470M0605	150	0.12	28	2400	6.3 \times 5.8
	68	RPX1C680M0508	218	0.12	30	2200	5 \times 8
	68	RPX1C680M0609	218	0.12	28	2690	6.3 \times 9
	82	RPX1C820M0508	262	0.12	28	2200	5 \times 8
	82	RPX1C820M0609	262	0.12	26	2690	6.3 \times 9
	100	RPX1C101M0508	320	0.12	26	2200	5 \times 8
	100	RPX1C101M0609	320	0.12	24	2690	6.3 \times 9
	150	RPX1C151M0609	480	0.12	24	2690	6.3 \times 9
220	RPX1C221M0609	704	0.12	24	2690	6.3 \times 9	
20	10	RPX1D100M0505	100	0.12	130	1450	5 \times 5.8
	15	RPX1D150M0605	100	0.12	110	1450	6.3 \times 5.8
	22	RPX1D220M0605	100	0.12	110	1450	6.3 \times 5.8
	22	RPX1D220M0609	100	0.12	100	2200	6.3 \times 9
	33	RPX1D330M0508	132	0.12	110	1650	5 \times 8
	33	RPX1D330M0609	132	0.12	100	2200	6.3 \times 9
	39	RPX1D390M0508	156	0.12	110	1650	5 \times 8
	39	RPX1D390M0609	156	0.12	100	2200	6.3 \times 9
	47	RPX1D470M0508	156	0.12	110	1650	5 \times 8
47	RPX1D470M0609	156	0.12	100	2200	6.3 \times 9	

■ 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