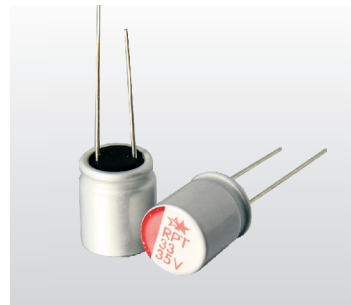


RPT Series 引线式导电聚合物固体铝电解电容器标准品

Standard Conductive Polymer Aluminum Solid Electrolytic Capacitor of Radial Lead Type

■ 特性 Features

- 105°C, 2000 小时 105°C, 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

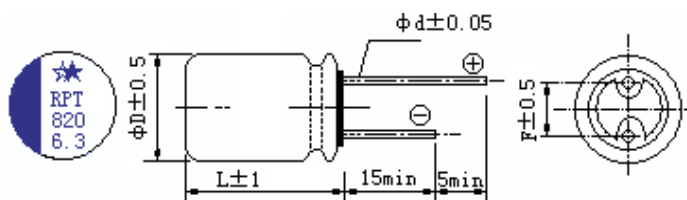


■ 主要技术性能 Specifications



项目 Items	主要特性 Performance Characteristics		
使用温度范围 Operating Temperature Range	-55 ~ +105°C		
额定电压范围 Rated Voltage Range	2.5 ~ 20V.DC		
标称容量允许偏差 Capacitance Tolerance	± 20% (120Hz, 20°C)		
漏电流(20°C) Leakage Current	施加额定工作电压 2 分钟, $I \leq 0.15CV(\mu A)$ after 2 minutes, application of rated voltage, the leakage current is not more than $0.15CV(\mu A)$		
损耗角正切值(120Hz 20°C) Dissipation Factor	测试频率 120Hz/温度 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, 电容器应满足要求 After applying rated voltage for 2000 hours at +105°C, 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
		ESR 阻抗 Impedance	≤ 规范值的 150% Less than 150% of the specified value
耐湿温特性 Damp heat(Steady state) (60°C,90~95%RH,1000hrs)	在温度为 60°C、湿度为 90~95%RH 的环境中, 1000 小时后, 电容器的特性符合右表要求 60°C, 90 to 95%RH,1000hours, No applied voltage 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 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

RPT Series

■ 编码和规格 Part Number & Specifications

工作电压(V) Rated Voltage	标称容量 Capacitance (μ F)	产品编码 Part Number	等效串联电阻 ESR 100KHz to 300KHz ($m\Omega$ max)	耐纹波电流 100KHz (mA rms)at 105°C	损耗角正切值(max) Tan δ	漏电流 (max) (μ A)	尺寸 $\Phi D \times L$ (mm)
2.5	680	RPT0E681M0808	13	4080	0.10	255	8×8
	820	RPT0E821M0808	13	4080	0.10	307	8×8
		RPT0E821M0812	12	4520	0.10		8×12
	1000	RPT0E102M0812	12	4520	0.10	375	8×12
1500	RPT0E152M1012	12	5440	0.10	562	10×12	
4	560	RPT0G561M0808	13	4080	0.10	336	8×8
	680	RPT0G681M0808	13	4080	0.10	408	8×8
	820	RPT0G821M0808	13	4080	0.10	492	8×8
		RPT0G821M0812	12	4520	0.10		8×12
	1000	RPT0G102M1012	12	5230	0.10	600	10×12
1200	RPT0G122M1012	12	5440	0.10	720	10×12	
6.3	330	RPT0J331M0808	25	3000	0.10	312	8×8
	390	RPT0J391M0808	18	3000	0.10	369	8×8
	470	RPT0J471M0808	18	3200	0.10	444	8×8
		RPT0J471M0812	16	4210	0.10		8×12
	560	RPT0J561M0808	16	3200	0.10	529	8×8
		RPT0J561M0812	14	4210	0.10		8×12
	680	RPT0J681M0808	15	4080	0.10	642	8×8
RPT0J681M0812		13	4210	0.10	8×12		
820	RPT0J821M1012	12	5440	0.10	775	10×12	
1000	RPT0J102M1012	12	5440	0.10	945	10×12	
10	220	RPT1A221M0808	25	3000	0.10	330	8×8
	270	RPT1A271M0808	20	3500	0.10	405	8×8
	330	RPT1A331M0812	17	3950	0.10	495	8×12
	470	RPT1A471M1012	15	4510	0.10	705	10×12
	560	RPT1A561M1012	13	5230	0.10	840	10×12
	820	RPT1A821M1012	13	5230	0.10	1230	10×12
16	180	RPT1C181M0808	24	3500	0.10	432	8×8
		RPT1C181M0812	20	3640	0.10		8×12
	270	RPT1C181M0812	18	3640	0.10	648	8×12
	330	RPT1C331M1012	16	4720	0.10	732	10×12
470	RPT1C471M1012	16	4720	0.10	1128	10×12	
20	47	RPT1D470M0812	28	3400	0.10	141	8×12
	68	RPT1D680M0812	25	3600	0.10	204	8×12
	100	RPT1D101M1012	24	4500	0.10	300	10×12

■ 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