

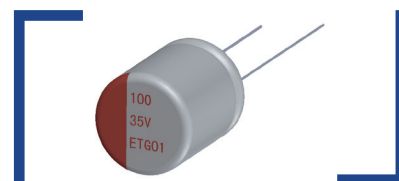
ET

导电性高分子铝固体电容器 (125°C 2000Hrs品) - 引线型

Conductive Polymer Aluminum Solid Capacitors (125°C 2000Hrs Type)- Radial Type

特点 Features

- 保证125°C 2000小时。Endurance: 2000 h at 125°C.
- 额定电压范围：10~100V DC。Rated Voltage Range:10~100V DC.
- 适用于开关电源、PD协议充电器、服务器设备。
Applications : Switching Power Supply, PD protocol charger, service equipment.
- 满足RoHS要求。RoHS Compliant and lead-free.
- 满足无卤要求。Halogen Free compliant.



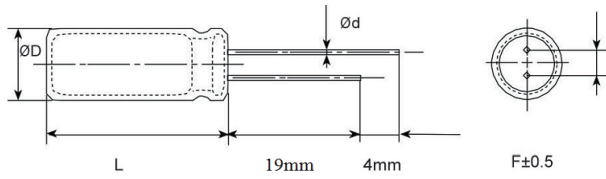
主要技术性能 Specifications

项目 Items	特性 Characteristics		
工作温度范围 Operating Temperature Range	-55~+125°C		
额定电压范围 Rated Voltage Range	10~100V DC		
标称容量范围 Nominal Capacitance Range	12~2200μF		
标称容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)		
漏电流 Leakage Current	≤0.1CV(μA) 20°C, 2分钟 at 20°C, after 2 minutes C: 静电容量(μF)、V: 额定电压(VDC)		
损耗角正切 (tgδ) Dissipation Factor (Max)	20°C, 120Hz	额定电压(Vdc)	10~25V 35~100V Tgδ 0.14 0.10
等效串联电阻 ESR	参照规格表 Reference parameter table (mΩ at 100k~300kHz 20°C max)		
耐久性 Load Life	+125°C施加额定电压2000小时后, 待温度恢复到20°C后进行测试, 电容器应满足以下要求: After 2000 hours' application of rated voltage at 125°C, and then being stabilized at +20°C, the capacitors shall meet the following requirement:		
	容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value	
	损耗角正切 Dissipation Factor	≤ 150%初始规定值 Not to exceed 150% of the value specified	
	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not to exceed 150% of the value specified	
	漏电流 Leakage Current	≤ 初始规定值 Not to exceed the value specified	
高温贮存 Shelf Life Test	在125°C±2°C环境中, 无负荷放置1000H后, 待温度恢复到20°C后进行测试, 电容器应满足以下要求: After storage for 1000 hours at +125°C±2°C with no voltage applied and then being stabilized at +20°C, the capacitors shall not exceed the specified values listed below:		
	容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value	
	损耗角正切 Dissipation Factor	≤ 150%初始规定值 Not to exceed 150% of the value specified	
	阻抗 Equivalent Series Resistance	≤ 150%初始规定值 Not to exceed 150% of the value specified	
	漏电流 Leakage Current	≤ 初始规定值 Not to exceed the value specified	

※ 当产生疑问的时候, 用以下电压处理后测定。
电压处理: 125°C下, 连续加载120 分钟电压。加载电压为额定电压。
When in doubt, apply the following voltage treatment and measure.
Voltage processing: under the condition of 125 °C ambient temperature, continuous load voltage of 120 minutes. Load voltage is rated voltage.



尺寸图 Dimensions



尺寸表 Size List

单位 Unit: mm

ΦD (+0.5max)	6.3	8	10
F (±0.5)	2.5	3.5	5
Φd(±0.05)	0.6	0.6	0.6
L	+1.0max		

标称电容量、额定电压、额定纹波电流与尺寸对应表

Nominal Capacitance, Rated Voltage, Rated Ripple Current and Case Size Table

Rated Volt. (V)	Capacitance (uF)	Size ΦD×L(mm)	Tanδ (120HZ,20°C)	LC (μA)	ESR (mΩ/at 100k~300kHz 20°C max)	Rated R. C. (mA/rms at 100kHz, 125°C)
10	330	6.3×8	0.14	330	20	1320
	470	8×8	0.14	470	16	1440
	560	6.3×11	0.14	560	16	1440
	1200	8×12	0.14	1200	14	1720
	1200	8×16	0.14	1200	12	1920
	1500	10×12.5	0.14	1500	10	2040
	2200	10×16	0.14	2200	10	2160
16	220	6.3×8	0.14	352	26	1160
	330	6.3×11	0.14	528	20	1360
	330	8×8	0.14	528	20	1360
	680	8×12	0.14	1088	15	1560
	820	8×16	0.14	1312	15	1600
	1000	8×16	0.14	1600	15	1680
	1200	10×12.5	0.14	1920	12	1800
	1500	10×16	0.14	2400	12	1840
25	100	6.3×8	0.14	250	28	920
	220	6.3×11	0.14	550	24	1080
	220	8×8	0.14	550	24	1080
	330	8×12	0.14	825	20	1320
	470	10×12.5	0.14	1175	15	1400
	560	8×16	0.14	1400	18	1440
	680	8×16	0.14	1700	18	1440
	680	10×12.5	0.14	1700	15	1520
	1000	10×16	0.14	2500	15	1680
35	68	6.3×8	0.1	238	40	800
	100	6.3×11	0.1	350	35	920
	100	8×8	0.1	350	35	920
	150	8×12	0.1	525	30	1160
	270	8×16	0.1	945	28	1240
	330	10×12.5	0.1	1155	25	1320
	470	10×16	0.1	1645	25	1400

Rated Volt. (V)	Capacitance (uF)	Size ΦD×L(mm)	Tanδ (120HZ,20°C)	LC (μA)	ESR (mΩ/at 100k~300kHz 20°C max)	Rated R. C. (mA/rms at 100kHz, 125°C)
50	27	6.3×8	0.1	135	40	800
	56	6.3×11	0.1	280	35	880
	56	8×8	0.1	280	35	880
	100	8×12	0.1	500	32	960
	120	8×16	0.1	600	30	1040
	180	10×12.5	0.1	900	28	1160
	220	10×16	0.1	1100	28	1240
63	22	6.3×8	0.1	139	45	640
	33	6.3×11	0.1	208	40	760
	33	8×8	0.1	208	40	760
	68	8×12	0.1	428	36	960
	100	8×16	0.1	630	32	1040
	100	10×12.5	0.1	630	30	1160
	120	10×12.5	0.1	756	30	1160
	180	10×16	0.1	1134	30	1240
80	15	8×8	0.1	120	55	600
	27	8×12	0.1	216	45	760
	33	8×16	0.1	264	40	800
	47	10×12.5	0.1	376	40	920
	68	10×16	0.1	544	35	1040
100	12	8×8	0.1	120	55	600
	22	8×12	0.1	220	45	760
	33	8×16	0.1	330	40	800
	33	10×12.5	0.1	330	40	920
	56	10×16	0.1	560	35	1040

额定纹波电流频率修正系数
 Frequency correction factor for ripple current

Frequency (KHz)	0.1≤Freq.≤0.5	0.5 < Freq.≤1	1 < Freq.≤5	5 < Freq.≤10	10 < Freq.≤50	50 < Freq. < 100	100≤Freq.≤300
Coefficient	0.10	0.30	0.4	0.6	0.75	0.9	1