



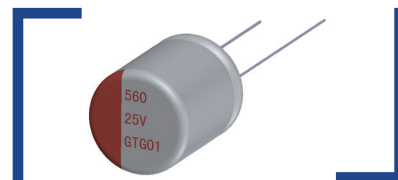
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导电性高分子混合型铝电解电容器 (125°C品) - 插件型

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors (125°C Type) - Radial Type

特点 Features

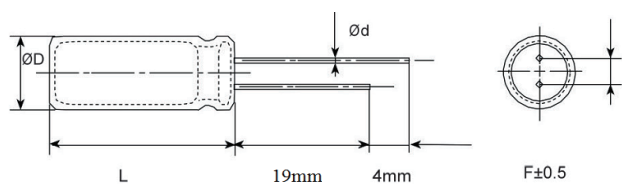
- 长寿命、低漏电流、高可靠性。
Long life, Low DC Leakage current, High reliability.
- 保证125°C 5000小时。
Endurance: 5000 h at 125°C.



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	16~100V DC								
标称容量范围 Nominal Capacitance Range	22~1200μF								
标称容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)								
漏电流 Leakage Current	≤0.05CV(μA) or 80μA, whichever is greater 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	<table border="1"> <tr> <td>额定电压(Vdc)</td> <td>16~25V</td> <td>35~100V</td> </tr> <tr> <td>Tgδ</td> <td>0.14</td> <td>0.10</td> </tr> </table>	额定电压(Vdc)	16~25V	35~100V	Tgδ	0.14	0.10	
额定电压(Vdc)	16~25V	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)								
高低温特性比 Characteristics of impedance ratio at high temp. and low temp	要求在100KHZ Based the value at 100KHZ.	$Z(-25°C) / Z(+25°C) \leq 1.5$ $Z(-55°C) / Z(+25°C) \leq 2.0$							
耐久性 Load Life	在125°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载额定电压5,000小时, 待温度恢复到20°C后进行测试, 电容器应满足以下要求: The capacitor shall be subjected to application of the D.C. voltage with full rated ripple current at +125°C for 5000 hours. After stabilizing at 20°C, the capacitor shall not exceed the specified limits. (The sum of DC voltage and ripple peak voltage shall not exceed the rated voltage.)								
	容量变化率 Capacitance Change	±25%初始值以内 Within ±25% of the initial value							
	损耗角正切 Dissipation Factor	≤ 200%初始规定值 Not to exceed 200% of the value specified							
	阻抗 Equivalent Series Resistance	≤ 200%初始规定值 Not to exceed 200% 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 capacitor shall not exceed the specified values listed below.								
	容量变化率 Capacitance Change	±25%初始值以内 Within ±25% of the initial value							
	损耗角正切 Dissipation Factor	≤ 200%初始规定值 Not to exceed 200% of the value specified							
	阻抗 Equivalent Series Resistance	≤ 200%初始规定值 Not to exceed 200% of the value specified							
	漏电流 Leakage Current	≤ 初始规定值 Not to exceed the value specified							

尺寸图 Dimensions



尺寸表 Size List

单位 Unit: mm

$\phi D (+0.5\text{max})$	8	10
F (± 0.5)	3.5	5
$\phi d (\pm 0.05)$	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 $\Phi D \times L$ (mm)	Tan δ (120HZ, 20°C)	LC (μA)	ESR (m Ω /at 100k~300kHz 20°C max)	Rated R. C. (mA/rms at 100kHz, 125°C)
16	560	8×12	0.14	448	22	1800
	680	8×16	0.14	544	20	2050
	820	10×12.5	0.14	656	18	2200
	1000	10×16	0.14	800	16	2400
	1200	10×16	0.14	960	16	2400
25	330	8×12	0.14	412	23	1600
	470	8×16	0.14	587	20	1800
	560	10×12.5	0.14	700	18	1900
	680	10×16	0.14	850	16	2150
	820	10×16	0.14	1025	16	2150
35	100	8×12	0.1	175	24	1400
	220	8×16	0.1	385	22	1550
	270	10×12.5	0.1	472	20	1700
	330	10×16	0.1	577	18	1900
50	100	8×12	0.1	250	30	1100
	150	10×12.5	0.1	375	26	1450
	150	8×16	0.1	375	28	1250
	220	10×16	0.1	550	24	1600
63	68	8×12	0.1	214	36	900
	100	10×12.5	0.1	315	30	1250
	100	8×16	0.1	315	32	1100
	150	10×16	0.1	472	28	1450
	180	10×16	0.1	567	28	1450
80	27	8×12	0.1	108	55	450
	33	8×16	0.1	132	50	600
	47	10×12.5	0.1	188	45	750
	68	10×16	0.1	272	40	900
100	22	8×12	0.1	110	55	450
	27	8×16	0.1	135	50	600
	33	10×12.5	0.1	165	45	750
	47	10×16	0.1	235	40	900

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