



PV

导电性高分子固体铝电解电容器 (标准品) -贴片型

Conductive polymer solid aluminum electrolytic capacitor (standard product)- SMD type

特点 Features

- 适用于表面贴装。Use for surface mounted type.
- 适用于无铅回流焊。The product can support lead free-reflow .
- RoHS指令已对应完毕。Adapted to the RoHS directive.



主要技术性能 Specifications

项目 Items	特性 Characteristics					
工作温度范围 Operating Temperature Range	-55~+105°C					
额定电压范围 Rated Voltage Range	2.5~25V					
标称电容量范围 Nominal Capacitance Range	22~2700μF					
标称电容量允许偏差 Nominal Capacitance Tolerance	±20% (20°C, 120Hz)					
漏电流 Leakage Current	参照规格表 Reference parameter table 2分钟 at 20°C, after 2 minutes					
损耗角正切 (tgδ) Dissipation Factor (Max)	20°C, 120Hz	直径 tgδ	Φ5 0.10	Φ6.3(L≤7) 0.10	Φ6.3 (L>7) 0.08	Φ8~Φ10 0.08
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 20°C Based the value at 100KHZ. +20°C					
耐久性 Load Life	+105°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 105°C, and then being stabilized at +20°C, the capacitors shall meet the following requirement:					
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)				
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value				
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value				
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value				
稳态湿热 Damp heat(Steady state)	60°C, 90~95% RH, 不加电压1000小时 60°C , 90~95% RH, 1000 hours, No-applied voltage.					
	电容量变化率 Capacitance Change	±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value)				
	损耗角正切 Dissipation Factor	≤150%初始规定值 Not more than 150% of the initial specified value				
	阻抗 Equivalent Series Resistance	≤150%初始规定值 Not more than 150% of the initial specified value				
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value				
耐焊接热 Resistance to Soldering Heat	(VPS) (260°C X 10s)					
	电容量变化率 Capacitance Change	±10%初始值以内 Within ±10% of the initial value (16V以上: within ±15% of the initial value)				
	损耗角正切 Dissipation Factor	≤初始规定值 Not more than the initial specified value				
	阻抗 Equivalent Series Resistance	≤初始规定值 Not more than the initial specified value				
	漏电流 Leakage Current	≤初始规定值 Not more than the initial specified value				

※ 当产生疑问的时候, 用以下电压处理后测定。

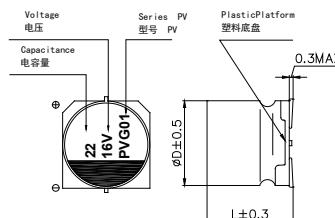
电压处理: 125°C下, 连续加载120 分钟的电压。加载电压为额定电压。

When in doubt, apply the following voltage treatment and measure.

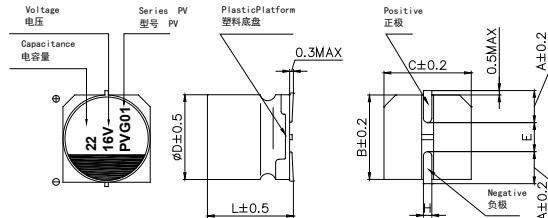
Voltage processing: under the condition of 125 °C ambient temperature, continuous load voltage of 120 minutes. Load voltage is rated voltage.

尺寸图 Dimensions

Φ5 ~ Φ6.3



Φ8 ~ Φ10



尺寸表 Size List

单位 Unit: mm

	5×5.8	6.3×5.8	6.3×7.7	8×10.5	8×12.5	10×10.5	10×12.5
A	2.1	2.4	2.4	2.9	2.9	3.2	3.2
B	5.3	6.6	6.6	8.3	8.3	10.3	10.3
C	5.3	6.6	6.6	8.3	8.3	10.3	10.3
E	1.3	2.2	2.2	3.1	3.1	4.5	4.5
L	5.8	5.8	7.7	10.5	12.5	10.5	12.5
H	0.5~0.8			0.8~1.1			

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 (μ F)	Size $\Phi D \times L$ (mm)	Tan δ (120Hz, 20°C)	LC (μ A)	ESR (mΩ/at 100kHz~300kHz 20°C max)	Rated R. C. (mA/rms at 100kHz, 105°C)
2.5	180	5×5.8	0.1	300	30	2100
	220	6.3×5.8	0.1	300	25	2500
	270	6.3×5.8	0.1	300	25	2500
	330	6.3×5.8	0.1	300	25	2700
	390	6.3×5.8	0.1	300	25	2700
	470	6.3×7.7	0.1	300	20	3700
	560	6.3×7.7	0.1	300	20	3700
	680	8×10.5	0.08	340	15	4100
	820	8×10.5	0.08	410	15	4100
	1000	8×10.5	0.08	500	15	4100
	1200	8×12.5	0.08	600	12	4300
	1500	8×12.5	0.08	750	12	4300
	2200	10×10.5	0.08	1100	12	4700
	2700	10×12.5	0.08	1350	12	4700
	100	5×5.8	0.1	300	30	1800
4	150	5×5.8	0.1	300	30	1800
	220	6.3×5.8	0.1	300	25	2500
	270	6.3×5.8	0.1	300	25	2500
	330	6.3×5.8	0.1	300	25	2600
	390	6.3×5.8	0.1	312	25	2600
	470	6.3×7.7	0.1	376	20	3100
	560	6.3×7.7	0.1	448	20	3100
	680	8×10.5	0.08	544	15	4100
	820	8×10.5	0.08	656	15	4100
	1000	8×10.5	0.08	800	15	4100
	1200	8×12.5	0.08	960	12	4700
	1500	8×12.5	0.08	1200	12	4700
	2200	10×10.5	0.08	1760	12	5400
	2700	10×12.5	0.08	2160	12	5400
6.3	100	5×5.8	0.1	300	30	1500
	100	6.3×5.8	0.1	300	25	2400
	120	5×5.8	0.1	300	30	1500
	120	6.3×7.7	0.1	300	20	2600
	150	6.3×5.8	0.1	300	25	2400
	220	6.3×5.8	0.1	300	25	2400
	220	6.3×7.7	0.1	300	20	2600
	330	6.3×7.7	0.1	415	20	2600
	470	6.3×7.7	0.1	592	20	2600
	680	8×10.5	0.08	856	15	4100
	820	8×10.5	0.08	1033	15	4100
	1000	8×10.5	0.08	1260	15	4100
	1200	8×12.5	0.08	1512	12	4700

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The contents recorded in the catalogue might be changed without any reminder. Please ask for providing the datasheet and take it as standard when purchasing.

CONDUCTIVE POLYMER SMD RADIAL



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, 105°C)
6.3	1500	8×12.5	0.08	1890	12	4700
	2200	10×10.5	0.08	2772	12	5400
	2700	10×12.5	0.08	3400	12	5400
10	47	5×5.8	0.1	300	40	1300
	56	5×5.8	0.1	300	40	1300
	56	6.3×5.8	0.1	300	30	2100
	68	6.3×5.8	0.1	300	30	2100
	120	6.3×5.8	0.1	300	30	2100
	150	6.3×7.7	0.1	300	25	2500
	220	6.3×7.7	0.1	440	25	2500
	270	6.3×7.7	0.1	540	25	2500
	470	8×10.5	0.08	940	20	3700
	560	8×10.5	0.08	1120	20	3700
	680	8×10.5	0.08	1360	20	3700
	820	8×12.5	0.08	1640	15	4300
	1000	8×12.5	0.08	2000	15	4300
	1200	10×10.5	0.08	2400	15	5200
	1500	10×12.5	0.08	3000	15	5200
16	22	5×5.8	0.1	300	45	1200
	33	5×5.8	0.1	300	45	1200
	39	5×5.8	0.1	300	45	1200
	39	6.3×5.8	0.1	300	40	1600
	47	6.3×5.8	0.1	300	40	1600
	68	6.3×5.8	0.1	300	40	1600
	82	6.3×5.8	0.1	300	40	1600
	100	6.3×5.8	0.1	320	40	1600
	100	6.3×7.7	0.1	320	35	2300
	150	6.3×7.7	0.1	480	35	2300
	330	8×10.5	0.08	1056	30	3700
	470	8×10.5	0.08	1504	30	3700
	560	8×10.5	0.08	1792	30	3700
	680	8×12.5	0.08	2176	25	4100
	820	10×10.5	0.08	2624	25	5100
	1000	10×12.5	0.08	3200	20	5100
20	22	6.3×5.8	0.1	300	50	1600
	47	6.3×5.8	0.1	300	50	1600
	56	6.3×5.8	0.1	300	50	1600
	100	6.3×7.7	0.1	400	45	1800
	120	6.3×7.7	0.1	480	45	1800
	220	8×10.5	0.08	880	30	3100
	270	8×10.5	0.08	1080	30	3100
	330	8×10.5	0.08	1320	30	3100
	390	8×10.5	0.08	1560	30	3100
	470	8×12.5	0.08	1880	25	3700
	680	10×10.5	0.08	2720	25	4300
	820	10×12.5	0.08	3280	25	4300
25	47	6.3×5.8	0.1	300	60	1200
	56	6.3×5.8	0.1	300	60	1200
	56	6.3×7.7	0.1	300	50	1500
	82	6.3×7.7	0.1	410	50	1500
	150	8×10.5	0.08	750	35	2900
	220	8×10.5	0.08	1100	35	2900
	270	8×12.5	0.08	1350	30	3100
	330	10×10.5	0.08	1650	30	3800
	470	10×12.5	0.08	2350	30	3800