

UD LED电源驱动6000小时 片式铝电解电容

Chip Type Aluminum Electrolytic Capacitors



表面安装



小型薄形品



宽温度品



耐清洗品



产品特点 Features

适用-55℃~+105℃温度范围, 寿命6,000小时;性能稳定, 可靠性高;产品直径: ϕ 6mm~ ϕ 12.5mm
 -55℃~+125℃ temperature range; life 6000 hours; stable performance, high reliability
 product diameter: ϕ 6mm~ ϕ 12.5mm

主要技术性能 Specifications

项目 Items	特 性 Characteristics															
工作温度范围 Category Temperature Range	-40℃~+105℃															
额定电压范围 Rated Voltage Range	160~450V.DC															
标称电容量范围 Nominal Capacitance Range	1μ F ~ 22 μ F															
标称电容量允许偏差 Nominal Capacitance Tolerance	± 20%(120Hz,+20 ℃)															
泄漏电流范围 Leakage Current(MAX)	I=0.04CV(μ A) +100 (μ A) after 2 minutes I=Leakage Current(μ A) C=Nominal Capacitance(μ F) V=Rated Voltage(V)															
损耗角正切值 Dissipation Factor(MAX) Tan δ (20℃,120Hz)	<table><tr><td>Rated Voltage(V)</td><td>160~200</td><td>250~400</td><td>450</td></tr><tr><td>Tan δ</td><td>0.20</td><td>0.25</td><td>0.30</td></tr></table>				Rated Voltage(V)	160~200	250~400	450	Tan δ	0.20	0.25	0.30				
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耐久性 Load Life	在105℃环境中，连续施加额定电压6000小时，常温恢复16小时，电容器应满足以下要求。 In 105℃ degrees Celsius environment, continuous application of rated voltage for 6000 hours, After 16 hours was measured at room temperature, the capacitors shall meet the following requirements : <table><tr><td>Capacitance Change</td><td>± 30%初始值以内</td><td colspan="2">Within ± 30% of the initial value</td></tr><tr><td>Dissipation Factor</td><td>≤300%初始值以内</td><td colspan="2">Not more than 300% of the specified value</td></tr><tr><td>Leakage Current</td><td>≤ 初始规定值</td><td colspan="2">Not more than the specified value</td></tr></table>				Capacitance Change	± 30%初始值以内	Within ± 30% of the initial value		Dissipation Factor	≤300%初始值以内	Not more than 300% of the specified value		Leakage Current	≤ 初始规定值	Not more than the specified value	
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高温贮存 Shelf Life	105℃贮存1000H后，放置16H，电容器应满足以下要求。 After storage for 1000hrs at 105℃, then resumed 16 hours, the capacitors shall meet the following requirements <table><tr><td>Capacitance Change</td><td>± 30%初始值以内</td><td colspan="2">Within ± 30% of the initial value</td></tr><tr><td>Dissipation Factor</td><td>≤300%初始值以内</td><td colspan="2">Not more than 300% of the specified value</td></tr><tr><td>Leakage Current</td><td>≤300%初始值以内</td><td colspan="2">Within 300% of initial specified value</td></tr></table>				Capacitance Change	± 30%初始值以内	Within ± 30% of the initial value		Dissipation Factor	≤300%初始值以内	Not more than 300% of the specified value		Leakage Current	≤300%初始值以内	Within 300% of initial specified value	
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耐焊接热 Resistance to Soldering Heat	在250℃的条件下，电容器在热板上保持30秒，然后从热板上取出电容器，让其在室温下恢复，电容器应满足以下要求。 The capacitors shall be kept on then hot plate maintained at 250℃ for 30 seconds.After removing from the hot plate and restored at room temperature, they meet the following requirement: <table><tr><td>Capacitance Change</td><td>± 10%初始值以内</td><td colspan="2">Within ± 10% of the initial value</td></tr><tr><td>Dissipation Factor</td><td>≤ 初始规定值</td><td colspan="2">Not more than the initial specified value</td></tr><tr><td>Leakage Current</td><td>≤ 初始规定值</td><td colspan="2">Not more than the initial specified value</td></tr></table>				Capacitance Change	± 10%初始值以内	Within ± 10% of the initial value		Dissipation Factor	≤ 初始规定值	Not more than the initial specified value		Leakage Current	≤ 初始规定值	Not more than the initial specified value	
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低温特性及阻抗比 Low Temperature Stability Impedance Ratio (MAX) 120Hz	<table><tr><td>Roted Voltage (V)</td><td>160~200</td><td>250~400</td><td>450</td></tr><tr><td>Z-25℃/Z+20℃</td><td>6</td><td>10</td><td>12</td></tr><tr><td>Z-55℃/Z+20℃</td><td>8</td><td>12</td><td>15</td></tr></table>				Roted Voltage (V)	160~200	250~400	450	Z-25℃/Z+20℃	6	10	12	Z-55℃/Z+20℃	8	12	15
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■ 尺寸图 Dimensions

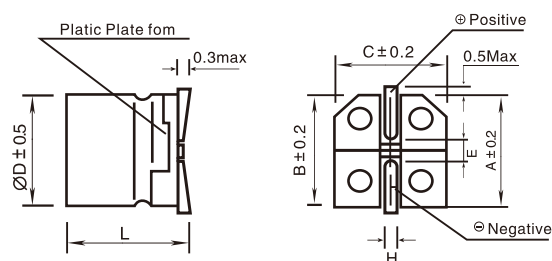


Fig. 1 (Φ6.3~Φ10)

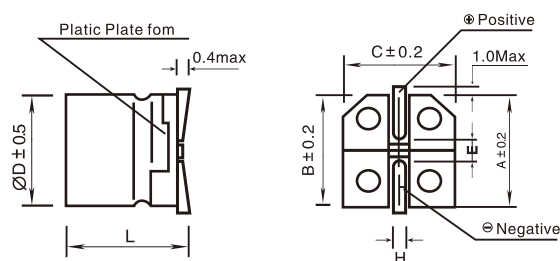


Fig. 2 (≥Φ12.5)

单位: mm

ΦD	L	A	B	C	E	H	Fig.No.
6.3	10.2±0.3	7.2	6.6	6.6	2.1	0.5~0.9	1
8	10.2±0.5	9.1	8.3	8.3	3.1	0.8~1.1	1
8	12.5±0.5	9.1	8.3	8.3	3.1	0.8~1.1	1
10	10.2±0.5	11.1	10.3	10.3	4.5	0.8~1.1	1
10	12.5±0.5	11.1	10.3	10.3	4.5	0.8~1.1	1
12.5	13.5±0.5	13.7	13.0	13.0	4.4	1.0~1.4	2

■ 标准品一览表 Standard Size

WV	160			200			250			400			450		
μF壳号	D×Lmm	tanδ	mA	D×Lmm	tanδ	mA	D×Lmm	tanδ	mA	D×Lmm	tanδ	mA	D×Lmm	tanδ	mA
1							6.3×10.2	0.25	10	6.3×10.2	0.25	9	8×10.2	0.30	15
1.5							6.3×10.2	0.25	14	6.3×10.2	0.25	11	8×10.2	0.30	18
2.2							6.3×10.2	0.25	16	6.3×10.2	0.25	13	8×10.2	0.30	20
										8×10.2	0.25	15			
3.3							6.3×10.2	0.25	18	8×10.2	0.25	20	10×10.2	0.30	25
							8×10.2	0.25	21						
4.7				8×10.2	0.20	25	8×10.2	0.25	26	8×10.2	0.25	33	10×12.5	0.30	39
										10×10.2	0.25	35			
5.6				8×10.2	0.20	27	8×10.2	0.25	28	10×12.5	0.25	43	10×12.5	0.30	48
6.8	6.3×10.2	0.20	26	8×10.2	0.20	30	10×10.2	0.25	34	10×12.5	0.25	48	10×12.5	0.30	53
	8×10.2	0.20	30												
8.2	8×10.2	0.20	35	8×10.2	0.20	33	10×10.2	0.25	37	12.5×13.5	0.25	62			
10	8×10.2	0.20	43	8×12.5	0.20	35	10×10.2	0.25	45	12.5×13.5	0.25	69			
	10×10.2	0.20	50	10×10.2	0.20	40									
12	10×10.2	0.20	53	10×10.2	0.20	45	10×10.2	0.25	50						
15	10×10.2	0.20	55	10×12.5	0.20	58	10×12.5	0.25	67						
22	10×12.5	0.20	63												

mA额定纹波电流 Rated ripple current(mA, 105℃, 120Hz)

■ 纹波电流修正系数/频率系数 Multiplier For Ripple Current / Frequency coefficient

频率 Frequency	120Hz	1kHz	10kHz	100kHz
系数 Coefficient	1.00	1.25	1.40	1.60

注: 以上所提供的设计及特性参数仅供参考, 任何修改不做预先通知, 如在使用上有疑问, 请在采购前与我们联系, 以便提供技术上的协助。

Note: all designs and specifications are for reference only and are subject to change without prior notice, if any doubt about safety for your application, please contact us immediately for technical assistance before purchase.