

UD 片式铝电解电容

UD Chip Type Aluminum Electrolytic Capacitors



产品特点 Features

- 产品直径
Case diameter $\Phi 6.3\text{mm}$ $\square \Phi 12.5\text{mm}$
- 适用于再回流焊
Reflow soldering is available
- 适用于高密度表面组装
Available for high density surface mounting
- 长寿命105°C 6000小时标准品
Life time 105°C 6000hrs standard product
- 性能稳定, 可靠性高
High stability and reliability
- ROHS指令已对应完毕
Adapted to the RoHS directive

主要技术性能 Specification

项目 Item	特性 Performance Characteristics			
使用温度范围 Operating temperature range	-45°C \square +105°C			
额定电压范围 Rated voltage range	160 \square 450V.DC			
标称容量范围 Nominal capacitance range	1 μ F \square 22 μ F			
标称容量允许偏差 Capacitance tolerance	$\pm 20\%$ (120Hz, +20°C)			
漏电流 Leakage current	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 (tg δ) Dissipation factor (+20°C, 120Hz)	U _R (V)	160 \square 200	250 \square 400	450
	tg δ	0.20	0.25	0.30
温度特性 Temperature characteristics (Impedance ratio at 120Hz)	Rated Voltage(V)	160 \square 200	250 \square 400	450
	Z-25°C/Z+20°C	6	10	12
	Z-55°C/Z+20°C			
耐久性 Load life	在105°C环境中, 连续施加额定电压6000小时, 常温恢复16小时, 电容器满足以下要求: In 105°C degrees Celsius environment, continuous application of rated voltage for 6000 hours, After 16 hours at room temperature, the capacitors shall meet the following requirements: Capacitance Change: $\pm 30\%$ 初始值以内 Within $\pm 30\%$ of the initial value Dissipation Factor : $\leq 300\%$ 初始值以内 Not more than 300% of the specified value Leakage Current : $\leq 300\%$ 初始值以内 Within 300% of initial specified value			
高温贮存 Shelf life	105°C贮存1000小时后, 放置16小时, 电容器应满足以下要求: After storage for 1000hrs at 105°C, then resumed 16 hours, the capacitors shall meet the following requirements: Capacitance Change: $\pm 30\%$ 初始值以内 Within $\pm 30\%$ of the initial value Dissipation Factor : $\leq 300\%$ 初始值以内 Not more than 300% of the specified value Leakage Current : $\leq 300\%$ 初始值以内 Within 300% of initial specified value			

外形图及尺寸图 Case size table

Fig. 1 ($\Phi 6.3 \sim \Phi 10$)

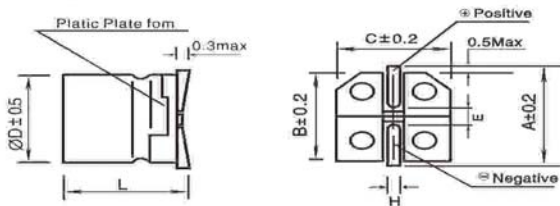
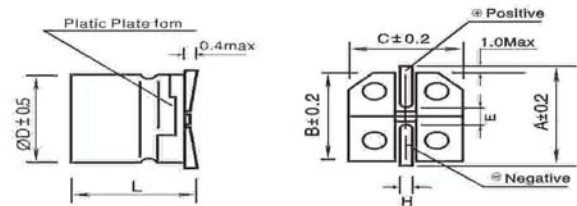


Fig. 2 ($\geq \Phi 12.5$)



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	12.5± 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	12.5± 0.5	13.7	13.0	13.0	4.4	1.0□1.4	2

■ 尺寸 Dimensions

WV	160			200			250			400			450		
μ F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× 12.5	0.25	33	10× 12.5	0.30	39
						10× 12.5				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	30	10× 10.2	0.25	37	12.5× 13.5	0.25	62			
10	8× 10.2	0.20	43	10× 10.2	0.20	40	10× 10.2	0.25	45	12.5× 13.5	0.25	69			
	10× 10.2	0.20	50												
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× 10.2	0.20	58	10× 10.2	0.25	67						
22	10× 12.5	0.20	63												

•尺寸ΦD×L(mm), 纹波电流(mA rms)於 105°C 120Hz

■ 纹波电流修正系数 Multiplier For Ripple Current

频率 Frequency	120HZ	1KHZ	10KHZ	100KHZ
系数 Coefficient	1.00	1.25	1.40	1.60

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