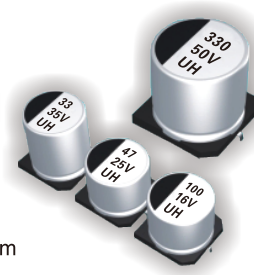


UH 高可靠品 片式铝电解电容
Chip Type Aluminum Electrolytic Capacitors



产品特点 Features

适用-55℃~+125℃温度范围；寿命2,000~5,000小时；性能稳定，可靠性高；产品直径：φ 6mm~φ 18mm
-55℃ ~+125℃ temperature range; life 2000~5000 hours; stable performance, high reliability
product diameter: φ 6mm~ φ 18mm

主要技术性能 Specifications

项目 Items	特性 Characteristics												
工作温度范围 Category Temperature Range	-40℃~+130℃												
额定电压范围 Rated Voltage Range	10~450V.DC												
标称电容量范围 Nominal Capacitance Range	1μ F ~ 4700μ F												
标称电容量允许偏差 Nominal Capacitance Tolerance	± 20%(120Hz,+20 °C)												
泄漏电流范围 Leakage Current(MAX)	10~100Vdc						160~450Vdc						
	≤10×10.2						≥10×13.5						
	I≤0.01CV(μ A) or 3(μ A) 取较大者 whichever is greater(after 2 minutes)						I≤0.03CV(μ A) or 4(μ A) 取较大者 whichever is greater(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)	Rated Voltage (V)												
		10	16	25	35	50	63	80	100	160~250	400~450		
	Tanδ≤	≤10×10.2	0.24	0.20	0.16	0.14	0.14	0.12	0.12	0.10	0.24	0.30	
≥10×12.5													
额定电容量大于1000μ F者，每增加1000μ F，其损耗角正切值增加0.02 when nominal capacitance exceeds 1000 μ F, add 0.02 to the value above for 1000 μ F increase													
耐久性 Load Life	在130℃环境中，连续施加额定直流电压规定时间，常温恢复16小时后进行测量时，电容器应满足以下要求。 In the environment of 130℃ degrees, the time of continuous application of the rated DC voltage, After 16 hours were measured at room temperature, the capacitor should meet the following requirements:												
	Capacitance Change	± 30%初始值以内 Within ± 30% of the initial value						寿命 life time					
	Dissipation Factor	≤ 300%初始值以内 Not more than 300% of the specified value						≤ 8 × 6.5(10~100Vdc):1000hours 8 × 10.2~10 × 13.5 (10~100Vdc):2000hours					
Leakage Current	≤ 初始规定值 Not more than the specified value						≥ 12.5 × 13.5(10~100Vdc):5000hours (160~450Vdc):3000hours						
高温贮存 Shelf Life	在130℃环境中，无负荷放置1000小时(400~450V: 500小时),常温恢复16小时后进行测量时,电容器应满足以下要求。 The following specifications shall be satisfied, After 16 hours were measured at room temperature, after exposing them for 1000 hours(400~450V:500 hours) at 130℃ without voltage application:												
	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	≤ 500%初始值以内 Within 500% of initial specified value												
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 the hot plate maintained at 250℃ for 30 seconds. After removing from the hot plate and restored at room temperature, they meet the following requirement:												
	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												
低温特性及阻抗比 Low Temperature Stability Impedance Ratio (MAX) 120Hz	Rated Voltage (V)												
	≤ 10 × 10.2	Z-25℃/Z+20℃	3	2	2	2	2	2	2	2	6	6	
		Z-40℃/Z+20℃	6	4	4	3	3	3	3	3	10	18	
	≥ 10 × 13.5	Z-25℃/Z+20℃	4	3	2	2	2	2	-	2	6	6	
Z-40℃/Z+20℃		8	6	4	3	3	3	-	3	10	18		

产品编码解析 Explanation of Part Number



Series



Voltage



Capacitance



Tol.



Case Size

Series	R.W Voltage (V)	Code	Capacitance (μF)	Code	Cap.Tol	Code	Case Size	Code
RVT	4	0G	0.1	0R1	± 5	J	4*5.4	0405
RVE	6.3	0J	0.22	R22	± 10	K	5*5.4	0505
US	10	1A	0.33	R33	± 15	L	6.3*5.4	0605
UZ	16	1C	0.47	R47	± 20	M	6.3*7.7	0607
UN	25	1E	1	1R0	± 30	N	6.3*10.2	0610
UH	35	1V	1.5	1R5	+ 20 - 10	V	8*6.5	0806
UL	50	1H	2.2	2R2	+ 20 - 5	H	8*10.2	0810
UV	63	1J	3.3	3R3	+ 10 - 20	C	8*12.5	0812
UD	80	1K	4.7	4R7	+ 100 - 0	P	10*10.2	1010
UW	100	2A	5.6	5R6	+ 30 - 10	Q	10*12.5	1012
SF	160	2C	6.8	6R8	+ 20 - 0	R	10*13.5	1013
SH	200	2D	8.2	8R2	+ 50 - 10	T	12.5*13.5	1213
SR	250	2E	10	100	+ 75 - 10	U	12.5*16	1216
SS	350	2V	12	120	+ 40 - 20	X	16*16.5	1616
ST	400	2G	15	150	+ 50 - 20	S	16*21.5	1621
SU	450	2W	22	220	+ 80 - 20	Z	18*16.5	1816
HS	500	2H	33	330			18*21.5	1821
			47	470			20*16.5	2016
			56	560			20*21.5	2021
			68	680				
			100	101				
			220	221				
			330	331				
			470	471				
			560	561				
			680	681				
			820	821				
			1000	102				
			1500	152				
			2200	222				
			3300	332				
			4700	472				
			6800	682				

卷筒 Taping Reel And Packing Quantity



规格 Specification	卷装数量 Quantity/Reel	盒装数量 Quantity/Bag	A ± 0.3 (MM)	B ± 2 (MM)
Φ4*5.4	2000 pcs	20000 pcs	14	382
Φ5*5.4	1000 pcs	10000 pcs	14	382
Φ6.3*5.4	1000 pcs	10000 pcs	18	382
Φ6.3*7.7	1000 pcs	10000 pcs	18	382
Φ6.3*10.2	700 pcs	7000 pcs	18	382
Φ8*6.5	1000 pcs	10000 pcs	18	382
Φ8*10.2	500 pcs	5000 pcs	26	382
Φ8*12.5	400 pcs	4000 pcs	26	382
Φ10*10.2	500 pcs	5000 pcs	26	382
Φ10*12.5	400 pcs	4000 pcs	26	382
Φ10*13.5	300 pcs	3000 pcs	26	382
Φ12.5*13.5	200 pcs	1600 pcs	34	382
Φ12.5*16	200 pcs	1600 pcs	34	382
Φ16*16.5	125 pcs	250 pcs	46	332
Φ16*21.5	75 pcs	150 pcs	46	332
Φ18*16.5	125 pcs	250 pcs	46	332
Φ18*21.5	75 pcs	150 pcs	46	332
Φ20*16.5	100 pcs	200 pcs	46	332
Φ20*21.5	50 pcs	100 pcs	46	332

焊接方法和再流焊允许范围 Soldering method and allowable range of the reflow

焊接方式 Soldering Method	再流焊的允许范围 Allowable Range of Reflow
热板再流焊 Hot-Plate Reflow	<p>再流焊时间(秒) Reflow time(second)</p>
红外线再流焊 Infrared-Ray Reflow	<p>再流焊时间(秒) Reflow time(second)</p>



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