

Aluminum Electrolytic Capacitors

UR Series – Ultra Miniature Size 5mm Height



Specifications

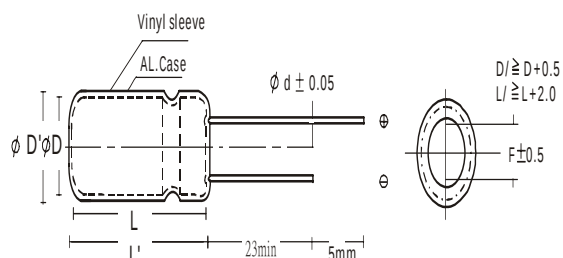
Item	Performance																								
Operating Temperature Range	-40 to+85℃																								
Rated Working Voltage Range	4 – 50VDC																								
Nominal Capacitance Range	0.1 - 330μ F																								
Capacitance Tolerance	± 20% (at+20℃ ,120Hz)																								
Leakage Current	I ≤0.01CV or 3(μ A) max, Whichever is greater after 3 minutes																								
Dissipation Factor (tanδ) (120Hz\+20℃)	<table><tr><td>Working Vol.</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Tan δ (%) max</td><td>35</td><td>24</td><td>20</td><td>16</td><td>14</td><td>12</td><td>10</td></tr></table>	Working Vol.	4	6.3	10	16	25	35	50	Tan δ (%) max	35	24	20	16	14	12	10								
Working Vol.	4	6.3	10	16	25	35	50																		
Tan δ (%) max	35	24	20	16	14	12	10																		
Characteristics at Low Temperature (stability at 120 Hz)	<table><tr><td>Working Vol VDC</td><td>4</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>-25℃/+20℃</td><td>7</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>-40℃/+20℃</td><td>15</td><td>8</td><td>8</td><td>4</td><td>4</td><td>3</td><td>3</td></tr></table>	Working Vol VDC	4	6.3	10	16	25	35	50	-25℃/+20℃	7	4	3	2	2	2	2	-40℃/+20℃	15	8	8	4	4	3	3
Working Vol VDC	4	6.3	10	16	25	35	50																		
-25℃/+20℃	7	4	3	2	2	2	2																		
-40℃/+20℃	15	8	8	4	4	3	3																		
Load life	After 1000hrs. application of DC rated working voltage at +85℃ , The capacitor shall meet the following limits: Post test requirements at +20℃ . Load life: 1000hrs. <table><tr><td>Leakage current</td><td>the initial specified value</td></tr><tr><td>Capacitance change</td><td>±20% of initial measured value</td></tr><tr><td>Dissipation Factor(tanδ)</td><td>200% of initial specified value</td></tr></table>	Leakage current	the initial specified value	Capacitance change	±20% of initial measured value	Dissipation Factor(tanδ)	200% of initial specified value																		
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Shelf Life	After storage for 1000hrs. at +85℃ with no voltage applied. Post test requirements at +20℃ , same limits as high temperature loading.																								

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CINETECH
SYMBOL OF QUALITY

Diagram of Dimensions



D	3	4	5	6.3	8
F	1.0	1.5	2.0	2.5	3.5
d	0.4	0.45			0.5

Case Size

Max ripple current: mA rms at 85°C. 120Hz (DxL mm)

W.V	4		6.3		10		16		25		35		50	
μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1													4x5	1.5
0.22													4x5	2.6
0.33													4x5	3.2
0.47													4x5	3.8
1													4x5	6.2
2.2											4x5	8.4	4x5	9
3.3									4x5	10	4x5	11	4x5	14
4.7							4x5	11	4x5	15	4x5	18	5x5	20
10	4x5	11	4x5	14	4x5	17	4x5	20	5x5	28	5x5	29	6.3x5	30
22	4x5	21	4x5	24	5x5	33	5x5	35	6.3x5	44	6.3x5	46	8x5	52
33	4x5	28	5x5	37	5x5	39	6.3x5	46	6.3x5	52	8x5	63	8x5	70
47	4x5	33	5x5	39	6.3x5	46	6.3x5	58	6.3x5	62	8x5	83		
100	5x5	52	6.3x5	65	6.3x5	76	6.3x5	86	8x5	108				
220	6.3x5	78	6.3x5	90	8x5	138								
330	8x5	142	8x5	145										