

Aluminum Electrolytic Capacitors

HM Series – Miniature Size 7mm Height 105°C



Specifications

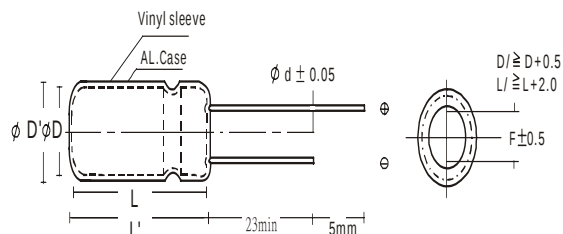
Item	Performance																											
Operating Temperature Range	-40 to+105℃																											
Rated Working Voltage Range	6.3 – 63VDC																											
Nominal Capacitance Range	0.1 – 330μ F																											
Capacitance Tolerance	± 20% (at+20℃ ,120Hz)																											
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><td>63</td></tr><tr><td>Tan δ (%) max</td><td>25</td><td>22</td><td>20</td><td>16</td><td>14</td><td>12</td><td>10</td><td>9</td></tr></table>	Working Vol.	4	6.3	10	16	25	35	50	63	Tan δ (%) max	25	22	20	16	14	12	10	9									
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Tan δ (%) max	25	22	20	16	14	12	10	9																				
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><td>63</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><td>2</td></tr><tr><td>-40℃/+20℃</td><td>15</td><td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table>	Working Vol VDC	4	6.3	10	16	25	35	50	63	-25℃/+20℃	7	4	3	2	2	2	2	2	-40℃/+20℃	15	8	6	4	4	3	3	3
Working Vol VDC	4	6.3	10	16	25	35	50	63																				
-25℃/+20℃	7	4	3	2	2	2	2	2																				
-40℃/+20℃	15	8	6	4	4	3	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 Dimension



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

Case Size

Max ripple current: mA rms at 105°C. 120Hz (DxL mm)

W.V	6.3		10		16		25		35		50		63	
μF	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4x7	1.5	4x7	1.5
0.22											4x7	2.5	4x7	2.5
0.33											4x7	3.5	4x7	3.5
0.47											4x7	5	4x7	6
1											4x7	10	4x7	12
2.2											4x7	19	4x7	19
3.3											4x7	24	5x7	25
4.7							4x7	17	4x7	22	4x7	27	5x7	29
10					4x7	30	4x7	30	4x7	30	5x7	35	6.3x7	40
22	4x7	31	4x7	35	4x7	37	5x7	45	5x7	50	6.3x7	60	8x7	65
33	4x7	32	4x7	40	4x7	45	5x7	52	6.3x7	54	8x7	78		
47	4x7	40	4x7	47	5x7	61	6.3x7	68	8x7	80				
100	5x7	65	5x7	80	6.3x7	95	8x7	115						
220	6.3x7	90	6.3x7	105										
330	8x7	120												