



MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

REV

REV SERIES

Previous Series

85°C Standard.

◆FEATURES

- Case Dia $\phi 3 \sim \phi 18\text{mm}$
- Reflow soldering is available.
- Available for high density mounting.



◆SPECIFICATIONS

Items	Characteristics																																																		
Category Temperature Range	-40~+85°C																																																		
Rated Voltage Range	4~100V.DC																																																		
Capacitance Tolerance	±20% (20°C, 120Hz)																																																		
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)																																																		
Dissipation Factor(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>tan δ</td> <td>0.40</td> <td>0.30</td> <td>—</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> <td>—</td> <td>—</td> </tr> <tr> <td>φ 3</td> <td>0.40</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> <td>—</td> <td>—</td> </tr> <tr> <td>φ 4, φ 5, φ 6.3×5.5</td> <td>0.40</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> <td>—</td> <td>—</td> </tr> <tr> <td>φ 6.3×8, φ 8~φ 18</td> <td>0.50</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> </tr> </tbody> </table> <p>(20°C, 120Hz)</p> <p>When rated capacitance is over 1000 μF, tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.</p>	Rated Voltage(V)	4	6.3	10	16	25	35	50	63	100	tan δ	0.40	0.30	—	0.20	0.16	0.14	0.14	—	—	φ 3	0.40	0.26	0.22	0.18	0.16	0.13	0.12	—	—	φ 4, φ 5, φ 6.3×5.5	0.40	0.26	0.22	0.18	0.16	0.13	0.12	—	—	φ 6.3×8, φ 8~φ 18	0.50	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.10
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Endurance	<p>After applying rated voltage with rated ripple current for 2000 hrs at 85°C, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>Within ±25% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </tbody> </table>	Capacitance Change	Within ±25% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.																																												
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage(V)</th> <th>4</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</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> <td>2</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>15</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>5</td> <td>5</td> </tr> </tbody> </table> <p>(120Hz)</p>	Rated Voltage(V)	4	6.3	10	16	25	35	50	63	100	Z(-25°C)/Z(20°C)	7	4	3	2	2	2	2	2	2	Z(-40°C)/Z(20°C)	15	8	8	4	4	3	3	5	5																				
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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60 (50)	120	500	1k	10k ≤
0.1~1 μF	0.50	1.00	1.20	1.30	1.50
2.2~4.7 μF	0.65	1.00	1.20	1.30	1.50
10~47 μF	0.80	1.00	1.20	1.30	1.50
100~1000 μF	0.80	1.00	1.10	1.15	1.20
2200~10000 μF	0.80	1.00	1.05	1.10	1.15

◆PART NUMBER

 REV **D×L**
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Case Size

