

**SEV SERIES**

85°C Standard, Lead Free Reflow Soldering.

◆ **FEATURES**

- Case Dia  $\phi$  3~ $\phi$  18mm
- Lead free reflow soldering is available.
- Available for high density mounting.
- RoHS compliance.



◆ **SPECIFICATIONS**

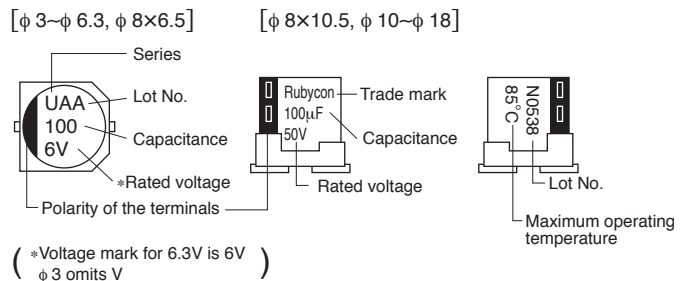
Items	Characteristics																																								
Category Temperature Range	-40~+85°C																																								
Rated Voltage Range	4~100V.DC																																								
Capacitance Tolerance	± 20%(20°C, 120Hz)																																								
Leakage Current(MAX)	I=0.01CV or 3μA 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) (tanδ)	<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><math>\phi</math> 3</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><math>\phi</math>4, <math>\phi</math>5, <math>\phi</math>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><math>\phi</math>6.3×8, <math>\phi</math>8~<math>\phi</math>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 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.</p>	Rated Voltage (V)	4	6.3	10	16	25	35	50	63	100	$\phi$ 3	0.40	0.30	-	0.20	0.16	0.14	0.14	-	-	$\phi$ 4, $\phi$ 5, $\phi$ 6.3×5.5	0.40	0.26	0.22	0.18	0.16	0.13	0.12	-	-	$\phi$ 6.3×8, $\phi$ 8~ $\phi$ 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"> <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> </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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◆ **MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

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

◆ **MARKING**



◆ **PART NUMBER**

