

- Load life : 105°C 1000~2000 hours.
- For high density mounting.
- Impedance Lower than CF series

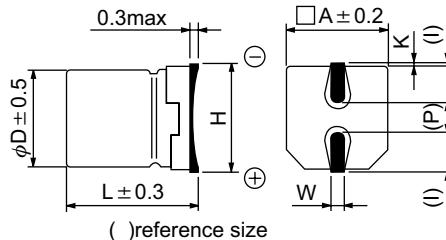


SPECIFICATION

Item	Characteristic																																		
Operation Temperature Range	-55 ~ +105°C																																		
Rated Working Voltage	6.3 ~ 50VDC																																		
Capacitance Tolerance (120Hz 20°C)	±20%(M)																																		
Leakage Current (20°C)	I ≤ 0.01CV or 3 (μA) *Whichever is greater after 2 minutes																																		
Surge Voltage (20°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>S.V.</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> </tr> </table>							W.V.	6.3	10	16	25	35	50	S.V.	8	13	20	32	44	63														
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Dissipation Factor (tan δ) (120Hz 20°C)	<table border="1"> <tr> <td>W.V.</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td rowspan="2">tan δφ</td> <td>φ4 ~ φ6.3</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> </tr> <tr> <td>φ8 ~ φ10</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.14</td> </tr> </table>							W.V.	6.3	10	16	25	35	50	tan δφ	φ4 ~ φ6.3	0.24	0.20	0.16	0.14	0.12	0.12	φ8 ~ φ10	0.28	0.24	0.20	0.16	0.14	0.14						
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Low Temperature Stability	<table border="1"> <tr> <td>Impedance ratio at 120Hz</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Rated Voltage (V)</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>-40°C / +20°C</td> <td>5</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> <tr> <td>-55°C / +20°C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>							Impedance ratio at 120Hz	6.3	10	16	25	35	50	Rated Voltage (V)	3	2	2	2	2	2	-40°C / +20°C	5	4	4	3	3	3	-55°C / +20°C						
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Load Life	<p>After hours ($\phi D \leq 6.3\text{mm}$ 1000 hours, $\phi D \geq 8\text{mm}$ 2000 hours) application of WV at +105°C, the capacitor shall meet the following limits.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>≤ ±25% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>≤ 200% of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ initial specified value</td> </tr> </table>							Capacitance Change	≤ ±25% of initial value	Dissipation Factor	≤ 200% of initial specified value	Leakage current	≤ initial specified value																						
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Shelf Life	<p>At +105°C, no voltage application after 1000 hours, the capacitor shall meet the limits for load life characteristics. (With voltage treatment)</p>																																		
Resistance to Soldering Heat	<p>Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>≤ ±10% of initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>≤ initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ initial specified value</td> </tr> </table>							Capacitance Change	≤ ±10% of initial value	Dissipation Factor	≤ initial specified value	Leakage current	≤ initial specified value																						
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DIMENSIONS (mm)

D	L	A	H	I	W	P	K
4.0	5.8	4.3	5.5MAX	1.8	0.65±0.1	1.0	0.35 ^{+0.15} _{-0.20}
5.0	5.8	5.3	6.5MAX	2.2	0.65±0.1	1.5	0.35 ^{+0.15} _{-0.20}
6.3	5.8	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 ^{+0.15} _{-0.20}
6.3	7.7	6.6	7.8MAX	2.6	0.65±0.1	2.1	0.35 ^{+0.15} _{-0.20}
8.0	10.2	8.3	10.0MAX	3.4	0.90±0.1	3.1	0.70±0.20
10.0	10.2	10.3	12.0MAX	3.5	0.90±0.1	4.6	0.70±0.20



● CASE SIZE & MAX RIPPLE CURRENT

Case size : D x L (mm)
 Max impedance : Ω 20°C 100kHz
 Max ripple current : mA(rms) 105°C 100kHz