

大容量品 Large Capacitance

項目 Item	特性 Characteristics																																											
使用溫度範圍 Operating Temperature Range	- 40 ~ 85°C							-25 ~ 85°C																																				
額定電壓範圍 Rated Working Voltage Range	10V ~ 100V DC							160V ~ 450V DC																																				
靜電容量容許差 Capacitance Tolerance (120Hz, 25°C)	±20% (M)																																											
洩漏電流 Leakage Current (25°C)	$I \leq 0.03CV + 30 (\mu A)$ I : Leakage Current (μA) C : Rated Capacitance (μF) V : Working Voltage (V) After 5 minutes applying the DC working Voltage																																											
突波電壓 Surge Voltage (25°C)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">W.V.</td> <td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td> </tr> <tr> <td>S.V.</td> <td>13</td><td>20</td><td>32</td><td>44</td><td>63</td><td>79</td><td>125</td><td>200</td><td>250</td><td>300</td><td>400</td><td>450</td><td>500</td> </tr> </table>														W.V.	10	16	25	35	50	63	100	160	200	250	350	400	450	S.V.	13	20	32	44	63	79	125	200	250	300	400	450	500		
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散逸因素 (Tan. θ) Dissipation Factor (120Hz, 25°C)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 5%;">W.V.</td> <td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td> </tr> <tr> <td>Tan. θ</td> <td>0.35</td><td>0.35</td><td>0.25</td><td>0.25</td><td>0.25</td><td>0.25</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td><td>0.25</td> </tr> </table> For capacitance exceeding 1000 μF , add 0.02 per increment of 1000 μF														W.V.	10	16	25	35	50	63	100	160	200	250	350	400	450	Tan. θ	0.35	0.35	0.25	0.25	0.25	0.25	0.20	0.20	0.20	0.20	0.20	0.25	0.25		
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溫度特性 Temperature Characteristics	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 33%;">W.V.</td> <td colspan="5">10 ~ 100</td> <td colspan="4">160 ~ 450</td> </tr> <tr> <td>-25°C / +25°C</td> <td colspan="5">4</td> <td colspan="4">8</td> </tr> <tr> <td>-40°C / +25</td> <td colspan="5">12</td> <td colspan="4">/</td> </tr> </table> Impedance ratio at 120HZ														W.V.	10 ~ 100					160 ~ 450				-25°C / +25°C	4					8				-40°C / +25	12					/			
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高溫負荷特性 Load Test	After 1000 hours application of W.V. at +85°C the capacitor shall meet he following limits <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 40%;">Capacitance change</td> <td>≤ ± 20% of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>≤ ± 150% of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ initial specified value</td> </tr> </table>														Capacitance change	≤ ± 20% of initial value	Tan. θ	≤ ± 150% of initial specified value	Leakage current	≤ initial specified value																								
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放置特性 Shelf Test	After 500 hours application of W.V. at +85°C the capacitor shall meet he following limits <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 40%;">Capacitance change</td> <td>≤ ± 20% of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>≤ 200% of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>≤ 200% of initial specified value</td> </tr> </table>														Capacitance change	≤ ± 20% of initial value	Tan. θ	≤ 200% of initial specified value	Leakage current	≤ 200% of initial specified value																								
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