

# 標準品 General Purpose

項目 Item	特性 Characteristics																																																							
使用溫度範圍 Operating Temperature Range	- 40 ~ 105°C							-25 ~ 105°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)	10V ~ 100V DC							160V ~ 450V DC																																																
	$I \leq 0.02CV + 3 (\mu A)$							$I \leq 0.03CV + 40 (\mu A)$																																																
	I : Leakage Current ( $\mu A$ ) C : Rated Capacitance ( $\mu F$ ) 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>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. $\theta$ ) Dissipation Factor (120Hz, 25°C)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>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. <math>\theta</math></td><td>0.20</td><td>0.17</td><td>0.15</td><td>0.12</td><td>0.10</td><td>0.10</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.24</td><td>0.24</td> </tr> </table> <p>For capacitance exceeding 1000 <math>\mu F</math>, add 0.02 per increment of 1000 <math>\mu F</math></p>														W.V.	10	16	25	35	50	63	100	160	200	250	350	400	450	Tan. $\theta$	0.20	0.17	0.15	0.12	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.24	0.24														
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高溫負荷特性 Load Test	<p>After 2000 hours application of W.V. at +105°C the capacitor shall meet he following limits</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Capacitance change</td><td><math>\leq \pm 20\%</math> of initial value</td> </tr> <tr> <td>Tan. <math>\theta</math></td><td><math>\leq \pm 150\%</math> of initial specified value</td> </tr> <tr> <td>Leakage current</td><td><math>\leq</math> initial specified value</td> </tr> </table>														Capacitance change	$\leq \pm 20\%$ of initial value	Tan. $\theta$	$\leq \pm 150\%$ of initial specified value	Leakage current	$\leq$ initial specified value																																				
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放置特性 Shelf Test	<p>After 500 hours application of W.V. at +105°C the capacitor shall meet he following limits</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Capacitance change</td><td><math>\leq \pm 20\%</math> of initial value</td> </tr> <tr> <td>Tan. <math>\theta</math></td><td><math>\leq 200\%</math> of initial specified value</td> </tr> <tr> <td>Leakage current</td><td><math>\leq 200\%</math> of initial specified value</td> </tr> </table>														Capacitance change	$\leq \pm 20\%$ of initial value	Tan. $\theta$	$\leq 200\%$ of initial specified value	Leakage current	$\leq 200\%$ of initial specified value																																				
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