

LGS 系列大容量品

Series 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"> <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
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																	
散逸因素 (Tan. θ) Dissipation Factor (120Hz, 25°C)	<table border="1"> <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. 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"> <tr> <td>W.V.</td> <td>10 ~ 100</td> <td>160 ~ 450</td> </tr> <tr> <td>-25°C / +25°C</td> <td>4</td> <td>8</td> </tr> <tr> <td>-40°C / +25</td> <td>12</td> <td>/</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"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>150% of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>\leq initial specified value</td> </tr> </table>		Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	150% of initial specified value	Leakage current	\leq 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"> <tr> <td>Capacitance change</td> <td>$\leq \pm 20\%$ of initial value</td> </tr> <tr> <td>Tan. θ</td> <td>$\leq 200\%$ of initial specified value</td> </tr> <tr> <td>Leakage current</td> <td>$\leq 200\%$ of initial specified value</td> </tr> </table>		Capacitance change	$\leq \pm 20\%$ of initial value	Tan. θ	$\leq 200\%$ of initial specified value	Leakage current	$\leq 200\%$ of initial specified value																						
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