

LSW SERIES
105°C Standard, Screw Terminal Type
◆FEATURES

- Load Life : 105°C 3000 hours.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics																																																																										
Category Temperature Range	-40~+105°C	-25~+105°C																																																																									
Rated Voltage Range	10~100V.DC	160~400V.DC																																																																									
Capacitance Tolerance	±20% (20°C, 120Hz)																																																																										
Dissipation Factor(MAX) (tan δ)	<table border="1"> <thead> <tr> <th>WV \ φD</th> <th>36</th> <th>51</th> <th>64</th> <th>77</th> <th>90</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.75</td> <td>1.0</td> <td>1.3</td> <td>1.5</td> <td>1.5</td> </tr> <tr> <td>16</td> <td>0.6</td> <td>0.7</td> <td>0.8</td> <td>1.0</td> <td>1.0</td> </tr> <tr> <td>25</td> <td>0.4</td> <td>0.5</td> <td>0.7</td> <td>0.8</td> <td>0.8</td> </tr> <tr> <td>35</td> <td>0.3</td> <td>0.5</td> <td>0.6</td> <td>0.7</td> <td>0.7</td> </tr> <tr> <td>50</td> <td>0.25</td> <td>0.3</td> <td>0.5</td> <td>0.6</td> <td>0.6</td> </tr> </tbody> </table>	WV \ φD	36	51	64	77	90	10	0.75	1.0	1.3	1.5	1.5	16	0.6	0.7	0.8	1.0	1.0	25	0.4	0.5	0.7	0.8	0.8	35	0.3	0.5	0.6	0.7	0.7	50	0.25	0.3	0.5	0.6	0.6	<table border="1"> <thead> <tr> <th>WV \ φD</th> <th>36</th> <th>51</th> <th>64</th> <th>77</th> <th>90</th> </tr> </thead> <tbody> <tr> <td>63</td> <td>0.2</td> <td>0.25</td> <td>0.3</td> <td>0.4</td> <td>0.4</td> </tr> <tr> <td>80</td> <td>0.2</td> <td>0.2</td> <td>0.25</td> <td>0.3</td> <td>0.3</td> </tr> <tr> <td>100</td> <td>0.15</td> <td>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> <tr> <td>160~250</td> <td>0.15</td> <td>0.15</td> <td>0.2</td> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>315~400</td> <td>0.2</td> <td>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> </tbody> </table>	WV \ φD	36	51	64	77	90	63	0.2	0.25	0.3	0.4	0.4	80	0.2	0.2	0.25	0.3	0.3	100	0.15	0.2	0.25	0.25	0.25	160~250	0.15	0.15	0.2	0.2	0.2	315~400	0.2	0.2	0.25	0.25	0.25	(20°C, 120Hz)
WV \ φD	36	51	64	77	90																																																																						
10	0.75	1.0	1.3	1.5	1.5																																																																						
16	0.6	0.7	0.8	1.0	1.0																																																																						
25	0.4	0.5	0.7	0.8	0.8																																																																						
35	0.3	0.5	0.6	0.7	0.7																																																																						
50	0.25	0.3	0.5	0.6	0.6																																																																						
WV \ φD	36	51	64	77	90																																																																						
63	0.2	0.25	0.3	0.4	0.4																																																																						
80	0.2	0.2	0.25	0.3	0.3																																																																						
100	0.15	0.2	0.25	0.25	0.25																																																																						
160~250	0.15	0.15	0.2	0.2	0.2																																																																						
315~400	0.2	0.2	0.25	0.25	0.25																																																																						
Leakage Current(MAX)	I=0.02CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I=Leakage Current(μA) V=Rated Voltage(V) C=Rated Capacitance(μF)																																																																										
Endurance	After applying rated voltage with rated ripple current for 3000hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±15% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 175% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>		Capacitance Change	Within ±15% of the initial value.	Dissipation Factor	Not more than 175% of the specified value.	Leakage Current	Not more than the specified value.																																																																			
Capacitance Change	Within ±15% of the initial value.																																																																										
Dissipation Factor	Not more than 175% of the specified value.																																																																										
Leakage Current	Not more than the specified value.																																																																										
Shelf Life	After storage for 500 hours with no voltage applied at 105°C, the capacitors shall be subjected to the voltage treatment in JIS C 5102 and shall be meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±15% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 150% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>		Capacitance Change	Within ±15% of the initial value.	Dissipation Factor	Not more than 150% of the specified value.	Leakage Current	Not more than the specified value.																																																																			
Capacitance Change	Within ±15% of the initial value.																																																																										
Dissipation Factor	Not more than 150% of the specified value.																																																																										
Leakage Current	Not more than the specified value.																																																																										

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

周波数 (Hz) Frequency	60(50)	120	400	1k	10k≦
10~50WV	0.80	1.00	1.03	1.05	1.08
63~100WV	0.80	1.00	1.05	1.07	1.10
160~400WV	0.80	1.00	1.10	1.13	1.18

◆PART NUMBER

□□□	LSW	□□□□□	□	□□□	DXL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Case Size

◆DIMENSIONS

(mm)



