

**LSG SERIES**

**105°C Standard, Screw Terminal Type**
**◆ FEATURES**

Load Life : 105°C 5000 hours.

RoHS compliance.

**◆ SPECIFICATIONS**

Items	Characteristics											
Category Temperature Range	-25 ~ +105°C											
Rated Voltage Range	350~450V.DC											
Capacitance Tolerance	±20%(20°C, 120Hz)											
Dissipation Factor(MAX) (tanδ)	<table border="1"> <tr> <td>WV \ φ D</td> <td>51</td> <td>64</td> <td>77</td> <td>90</td> <td rowspan="2">(20°C, 120Hz)</td> </tr> <tr> <td>350~450</td> <td>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> </table>	WV \ φ D	51	64	77	90	(20°C, 120Hz)	350~450	0.2	0.25	0.25	0.25
WV \ φ D	51	64	77	90	(20°C, 120Hz)							
350~450	0.2	0.25	0.25	0.25								
Leakage Current(MAX)	I=3√CV 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 5000hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table>	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.					
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**◆ MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

Frequency	60(50)	120(100)	300	500	1k	5k ≤	
Coefficient	350~450WV	0.80	1.00	1.17	1.23	1.30	1.40

**◆ PART NUMBER**

□□□	LSG	□□□□□	□	□□□	□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Band Cord	Case Size

**◆ Dimensions in mm (not to scale)**

(mm)							
φ D	W1	W2	W3	W4	W5	P	
I type	51	34.0	40.0	3.5	6.0	12	21.8
	64	40.0	45.0	4.5	7.0	12	28.2
	77	47.0	53.0	4.5	6.0	12	31.4
	90	54.0	60.0	4.5	6.0	14	31.4
Y type	51	32.5	37.5	4.5	6.0	12	21.8
	64	38.0	43.0	4.5	8.0	14	28.2
	77	44.5	49.0	4.5	7.0	14	31.4
	90	50.8	56.0	4.5	8.0	16	31.4

\*Please notice the following conditions for use.

(1) Maximum screw terminal tightening torque; 3.2N·m or less.

(2) Maximum ripple current shall be 50Arms or less because of the rated current of M5 screw terminal.

**◆ STANDARD SIZE**

Cap ( $\mu$ F)	WV (V.DC)	350V		400V		450V	
		Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
1000						51 × 98	4.3
1200				51 × 98	4.7	51 × 118	4.8
1500				51 × 118	5.3	51 × 118	5.3
1800		51 × 98	5.5	51 × 118	5.8	51 × 138	5.9
2200		51 × 118	6.2	51 × 138	6.5	64 × 119	7.2
2700		51 × 138	7.0	64 × 119	8.0	64 × 139	8.0
3300		64 × 109	8.4	64 × 139	8.9	64 × 149	8.9
3900		64 × 119	9.2	64 × 149	9.7	64 × 189 77 × 141	9.9 11.0
4700		64 × 139	10.2	77 × 121	12.0	90 × 121	14.6
5600		77 × 121	12.6	64 × 189 77 × 141	11.8 13.2	90 × 141	16.2
6800		64 × 189 77 × 141	12.6 14.1	90 × 141	18.0	77 × 191 90 × 151	14.9 17.8
8200		90 × 121	18.3	77 × 191 90 × 151	16.3 19.5	90 × 191	20.0
10000		77 × 191 90 × 151	17.5 20.8	90 × 191	22.1	90 × 221	22.4
12000		90 × 191	23.5	90 × 221	24.1	90 × 241	24.6
15000		90 × 221	26.5	90 × 241	27.4		
18000		90 × 241	29.0				

↑ Case Size  $\phi$  D×L(mm)      ↑ Ripple Current (A r.m.s./120Hz, 105°C)