

LSG SERIES

NEW

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) (tan δ)	<table border="1"> <tr> <td>WV \ ø 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 \ ø D	51	64	77	90	(20°C,) 120Hz)	350~450	0.2	0.25	0.25	0.25
WV \ ø D	51	64	77	90	(20°C,) 120Hz)							
350~450	0.2	0.25	0.25	0.25								
Leakage Current(MAX)	$I=3\sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage) $I=$ Leakage Current (μ A) $V=$ Rated Voltage (V) $C=$ Rated Capacitance (μ F)											
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 (Hz)	60(50)	120(100)	300	500	1k	5k \leq	
Coefficient	350~450WV	0.80	1.00	1.17	1.23	1.30	1.40

◆ PART NUMBER



◆ DIMENSIONS

(mm)

	øD	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	43.5	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; 33kg·cm or less.

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

◆STANDARD SIZE, RATED RIPPLE CURRENT

Cap(μF)	WV(V.DC)		350V		400V		450V	
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						

↑ Ripple Current (A r.m.s./120Hz, 105°C)
 ↑ Case Size ø DXL(mm)