

LSG SERIES

105°C 5000 hours, 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)												
Leakage Current(MAX)	$I=3\sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I =Leakage Current(μA) C =Capacitance(μF) V =Rated Voltage(V)												
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>WV \ φD</th> <th>51</th> <th>64</th> <th>77</th> <th>90</th> <th>(20°C, 120Hz)</th> </tr> </thead> <tbody> <tr> <td>350~450</td> <td>0.20</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> <td></td> </tr> </tbody> </table>	WV \ φD	51	64	77	90	(20°C, 120Hz)	350~450	0.20	0.25	0.25	0.25	
WV \ φD	51	64	77	90	(20°C, 120Hz)								
350~450	0.20	0.25	0.25	0.25									
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tbody> <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> </tbody> </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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Dissipation Factor	Not more than 200% of the specified value.												
Leakage Current	Not more than the specified value.												

◆Dimensions in mm (not to scale)

(I type)

	φD	W1	W2	W3	W4	W5	F
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)

	φD	W1	W2	W3	W4	W5	F
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

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60 (50)	120 (100)	300	500	1k	10k ≤	
Coefficient	350~450WV	0.80	1.00	1.17	1.23	1.30	1.40

◆PART NUMBER

LSG M DXL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Clamp Code Case Size

◆STANDARD SIZE

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

Ripple Current: (A r.m.s./120Hz, 105°C)

*Please refer to page 163 about recommended tightening torque and permissible current of terminal.