

**LSG SERIES**

**105°C 5000 hours, Screw Terminal Type**

**◆FEATURES**

- Load Life : 105°C 5000 hours.
- RoHS compliance.



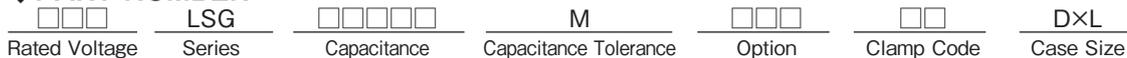
**◆SPECIFICATIONS**

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 √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>V.DC \ 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>	V.DC \ φD	51	64	77	90	(20°C, 120Hz)	350~450	0.20	0.25	0.25	0.25	
V.DC \ φD	51	64	77	90	(20°C, 120Hz)								
350~450	0.20	0.25	0.25	0.25									
Endurance	<p>After applying rated voltage with rated ripple current for 5000 hours at 105°C, the capacitors shall meet the following requirements.</p> <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.						
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.												

**◆MULTIPLIER FOR RIPPLE CURRENT**

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

**◆PART NUMBER**



**◆Dimensions in mm (not to scale)**

		(mm)						
		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	
Y type	90	54.0	60.0	4.5	6.0	14	31.4	
	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 refer to page 183 about recommended tightening torque and permissible current of terminal.

**◆STANDARD SIZE**

Rated Voltage (V.DC)	Capacitance (μF)	Size φDXL (mm)	Ripple Current (A.r.m.s 105°C,120Hz)
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
	6800	77×141	14.1
	8200	90×121	18.3
	10000	77×191	17.5
	10000	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
	5600	77×141	13.2
	6800	90×141	18.0
	8200	77×191	16.3
	8200	90×151	19.5
	10000	90×191	22.1
	12000	90×221	24.1
15000	90×241	27.4	

Rated Voltage (V.DC)	Capacitance (μF)	Size φDXL (mm)	Ripple Current (A.r.m.s 105°C,120Hz)
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
	3900	77×141	11.0
	4700	90×121	14.6
	5600	90×141	16.2
	6800	77×191	14.9
	6800	90×151	17.8
	8200	90×191	20.0
	10000	90×221	22.4
	12000	90×241	24.6