

**LSG SERIES**



105°C 5000 hours, Screw Terminal Type

◆FEATURES

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

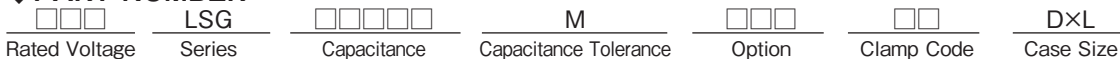
◆SPECIFICATIONS

Items	Characteristics												
Category Temperature Range	-25~+105°C												
Rated Voltage Range	350~450Vdc												
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(Vdc)												
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Vdc \ φD</td> <td>51</td> <td>64</td> <td>77</td> <td>90</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>350~450</td> <td>0.20</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> <td></td> </tr> </table>	Vdc \ φD	51	64	77	90	(20°C, 120Hz)	350~450	0.20	0.25	0.25	0.25	
Vdc \ 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"> <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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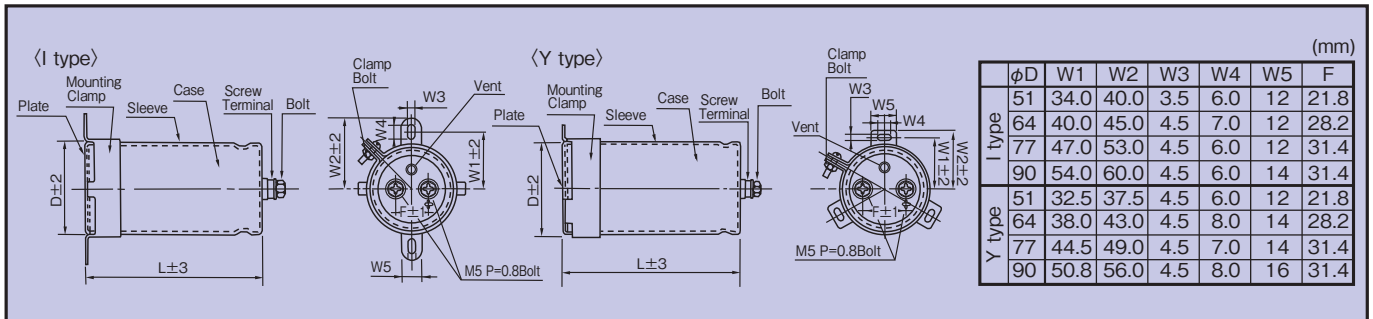
◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (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)



**◆STANDARD SIZE**

Rated Voltage (Vdc)	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 (Vdc)	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	

**◆Tightening torque of bolt and Permissible current of terminal.**

Clamp Bolt	Recommended Tightening torque
M3	0.6 [N·m]
M4	1.3 [N·m]

Terminal	Recommended Tightening torque (Permissible Range)	Permissible Current of Terminal
M5	2.2(1.5~3.2) [N·m]	60Arms