

LSG SERIES

Load Life : 105°C 5000 hours

RoHS
compliance



◆SPECIFICATIONS

Items	Characteristics				
Category Temperature Range	-25~+105℃				
Rated Voltage Range	350~450Vdc				
Capacitance Tolerance	±20%(20℃,120Hz)				
Leakage Current(MAX)	I=3√CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I=Leakage Current(μA)				

◆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

LSG M D×L
 Rated Voltage Series Capacitance Capacitance Tolerance Option Clamp Code Case Size

◆DIMENSIONS

		(mm)						
		ϕ D	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	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	

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μ F)	Size ϕ DXL (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 (μ F)	Size ϕ DXL (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]	60[A r.m.s.]

Mouser Electronics

Authorized Distributor

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Rubycon:

<u>350LSG4700MNB64X139</u>	<u>450LSG3900MNB77X141</u>	<u>350LSG1800MNB51X98</u>	<u>350LSG2200MNB51X118</u>
<u>450LSG4700MNB90X121</u>	<u>450LSG5600MNB90X141</u>	<u>450LSG6800MNB90X151</u>	<u>400LSG4700MNB77X121</u>
<u>450LSG3900MNB64X189</u>	<u>450LSG1200MNB51X118</u>	<u>450LSG2200MNB64X119</u>	<u>350LSG1800MNB90X241</u>
<u>400LSG2200MNB51X138</u>	<u>400LSG3900MNB64X149</u>	<u>350LSG2700MNB51X138</u>	<u>400LSG1500MNB90X241</u>
<u>450LSG1000MNB51X98</u>	<u>450LSG1800MNB51X138</u>	<u>350LSG3300MNB64X109</u>	<u>350LSG1500MNB90X221</u>
<u>450LSG8200MNB90X191</u>	<u>400LSG1800MNB51X118</u>	<u>400LSG12000MNB90X221</u>	<u>400LSG8200MNB90X151</u>
<u>350LSG6800MNB77X141</u>	<u>350LSG10000MNB90X151</u>	<u>350LSG6800MNB64X189</u>	<u>400LSG5600MNB77X141</u>
<u>450LSG12000MNB90X241</u>	<u>400LSG8200MNB77X191</u>	<u>400LSG5600MNB64X189</u>	<u>400LSG1500MNB51X118</u>
<u>400LSG10000MNB90X191</u>	<u>450LSG2700MNB64X139</u>	<u>350LSG8200MNB90X121</u>	<u>450LSG6800MNB77X191</u>
<u>400LSG3300MNB64X139</u>	<u>350LSG5600MNB77X121</u>	<u>450LSG10000MNB90X221</u>	<u>350LSG12000MNB90X191</u>
<u>350LSG3900MNB64X119</u>	<u>450LSG3300MNB64X149</u>	<u>350LSG10000MNB77X191</u>	<u>450LSG1500MNB51X118</u>