

LSG 系列
SERIES

105°C 5000小时品
Load Life : 105°C 5000 hours

RoHS
compliance



规格表 / SPECIFICATIONS

项目 Items	特性 Characteristics											
工作温度范围 Category Temperature Range	-25~+105°C											
额定电压范围 Rated Voltage Range	350~450Vdc											
静电容量允许差 Capacitance Tolerance	±20%(20°C, 120Hz)											
漏电流 Leakage Current(MAX)	<p>小于 $I = 3\sqrt{CV}$ 和 5mA 中的较小值 (施加额定电压5分钟后) $I = 3\sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage)</p> <p>$I =$ 漏电流(μA) Leakage Current $C =$ 静电容量(μF) Capacitance $V =$ 额定电压(Vdc) Rated Voltage</p>											
损失角正切值(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 rowspan="2">(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> </tr> </table>	Vdc \ φD	51	64	77	90	(20°C, 120Hz)	350~450	0.20	0.25	0.25	0.25
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350~450	0.20	0.25	0.25	0.25								
耐久性 Endurance	<p>在105°C环境中, 不超过额定电压的范围内叠加额定纹波电流, 连续加载5000小时后, 满足以下各项要求。 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>静电容量变化率 Capacitance Change</td> <td>初期值的±20%以内 Within ±20% of the initial value.</td> </tr> <tr> <td>损失角正切值 Dissipation Factor</td> <td>规格值的200%以下 Not more than 200% of the specified value.</td> </tr> <tr> <td>漏电流 Leakage Current</td> <td>规格值以下 Not more than the specified value.</td> </tr> </table>	静电容量变化率 Capacitance Change	初期值的±20%以内 Within ±20% of the initial value.	损失角正切值 Dissipation Factor	规格值的200%以下 Not more than 200% of the specified value.	漏电流 Leakage Current	规格值以下 Not more than the specified value.					
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纹波电流修正系数 / MULTIPLIER FOR RIPPLE CURRENT

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

产品型号体系 / PART NUMBER

□□□	LSG	□□□□□	M	□□□	□□	D×L
额定电压 Rated Voltage	系列名称 Series	静电容量 Capacitance	静电容量允许差 Capacitance Tolerance	副记号 Option	固定带记号 Clamp Code	铝壳尺寸 Case Size

尺寸图 / DIMENSIONS

〈I type〉

〈Y type〉

(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
	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	

◆标准品一览表 / STANDARD SIZE

额定电压 Rated Voltage (Vdc)	静电容量 Capacitance (μ F)	外形尺寸 Size ϕ DXL (mm)	额定纹波电流 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	

额定电压 Rated Voltage (Vdc)	静电容量 Capacitance (μ F)	外形尺寸 Size ϕ DXL (mm)	额定纹波电流 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	

◆螺栓紧固扭矩和允许电流值 / Tightening torque of bolt and Permissible current of terminal

固定带用螺栓 Clamp Bolt	推荐紧固扭矩 Recommended Tightening torque
M3	0.6 [N·m]
M4	1.3 [N·m]

端子用 Terminal	推荐紧固扭矩 (允许值) Recommended Tightening torque (Permissible Range)	端子允许电流 Permissible Current of Terminal
M5	2.2(1.5~3.2) [N·m]	60[A r.m.s.]