

LSG シリーズ
SERIES

105℃ 5000時間品
Load Life : 105℃ 5000 hours

RoHS
compliance



◆規格表／SPECIFICATIONS

項 目 Items	特 性 Characteristics														
カ テ ゴ リ 温 度 範 囲 Category Temperature Range	-25~+105℃														
定 格 電 圧 範 囲 Rated Voltage Range	350~450Vdc														
静 電 容 量 許 容 差 Capacitance Tolerance	±20%(20℃,120Hz)														
漏 れ 電 流 Leakage Current(MAX)	I=3 √CV または5mAいずれか小なる値以下 (定格電圧印加5分後) I=3 √CV or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I=漏れ電流(μA) C=静電容量(μF) V=定格電圧(Vdc) Leakage Current Capacitance Rated Voltage														
損 失 角 の 正 接 (tanδ) Dissipation Factor(MAX)	<table><tr><td>Vdc \ φD</td><td>51</td><td>64</td><td>77</td><td>90</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> (20℃,120Hz)					Vdc \ φD	51	64	77	90	350~450	0.20	0.25	0.25	0.25
Vdc \ φD	51	64	77	90											
350~450	0.20	0.25	0.25	0.25											
耐 久 性 Endurance	105℃中で5000時間定格電圧(リップル重畳)印加後、下記項目を満足すること。 After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements. <table><tr><td>静 電 容 量 変 化 率 Capacitance Change</td><td>初期値の±20%以内 Within ±20% of the initial value.</td></tr><tr><td>損 失 角 の 正 接 Dissipation Factor</td><td>規格値の200%以下 Not more than 200% of the specified value.</td></tr><tr><td>漏 れ 電 流 Leakage Current</td><td>規格値以下 Not more than the specified value.</td></tr></table>					静 電 容 量 変 化 率 Capacitance Change	初期値の±20%以内 Within ±20% of the initial value.	損 失 角 の 正 接 Dissipation Factor	規格値の200%以下 Not more than 200% of the specified value.	漏 れ 電 流 Leakage Current	規格値以下 Not more than the specified value.				
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◆リプル電流補正係数／MULTIPLIER FOR RIPPLE CURRENT

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

◆呼称方法／PART NUMBER

□□□	LSG	□□□□□	M	□□□	□□	D×L
定格電圧 Rated Voltage	シリーズ名 Series	静電容量 Capacitance	静電容量許容差 Capacitance Tolerance	副記号 Option	バンド記号 Clamp Code	ケースサイズ Case Size

◆寸法図／DIMENSIONS

(I type)

Diagram of the I type capacitor showing dimensions and components. The components labeled are: Plate, Mounting Clamp, Sleeve, Case, Screw Terminal, Bolt, and Vent. The dimensions are: $D \pm 2$ (height of the plate), $L \pm 3$ (length of the case), and $W2 \pm 2$ (height of the mounting clamp).

(Y type)

Diagram of the Y type capacitor showing dimensions and components. The components labeled are: Clamp Bolt, W3, Vent, Mounting Clamp, Sleeve, Case, Screw Terminal, Bolt, Plate, and W5. The dimensions are: $W2 \pm 2$ (height of the mounting clamp), $W1 \pm 2$ (height of the case), $W3$ (width of the mounting clamp), $W4$ (width of the case), $W5$ (width of the plate), $D \pm 2$ (height of the plate), and $L \pm 3$ (length of the case). The mounting clamp is secured with an M5 P=0.8 Bolt.

Diagram of the Y type capacitor showing dimensions and components. The components labeled are: Clamp Bolt, W3, W5, W4, Vent, Mounting Clamp, Sleeve, Case, Screw Terminal, Bolt, Plate, and W5. The dimensions are: $W2 \pm 2$ (height of the mounting clamp), $W1 \pm 2$ (height of the case), $W3$ (width of the mounting clamp), $W4$ (width of the case), $W5$ (width of the plate), $D \pm 2$ (height of the plate), and $L \pm 3$ (length of the case). The mounting clamp is secured with an M5 P=0.8 Bolt.

		ϕD	W1	W2	W3	W4	W5	F	(mm)
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		

◆標準品一覧表／STANDARD SIZE

定格電圧 Rated Voltage (Vdc)	静電容量 Capacitance (μ F)	外形寸法 Size ϕ DXL (mm)	リップル電流 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

定格電圧 Rated Voltage (Vdc)	静電容量 Capacitance (μ F)	外形寸法 Size ϕ DXL (mm)	リップル電流 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

◆ネジの締め付けトルクと許容電流値／Tightening torque of bolt and Permissible current of terminal

取り付けバンドネジ Clamp Bolt	推奨締め付けトルク Recommended Tightening torque
M3	0.6 [N・m]
M4	1.3 [N・m]

端子 Terminal	推奨締め付けトルク(許容値) Recommended Tightening torque (Permissible Range)	端子許容電流 Permissible Current of Terminal
M5	2.2(1.5～3.2) [N・m]	60[A r.m.s.]