

LSA SERIES

85°C 20000 hours, High Ripple Current, Screw Terminal Type

◆FEATURES

- Load Life : 85°C 20000 hours
- RoHS compliance.



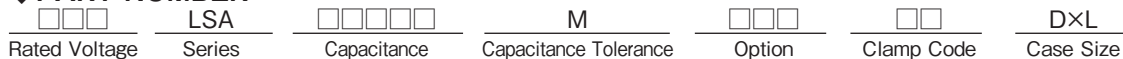
◆SPECIFICATIONS

Items	Characteristics						
Category Temperature Range	-25~+85°C						
Rated Voltage Range	350~450Vdc						
Capacitance Tolerance	±20% (20°C, 120Hz)						
Leakage Current(MAX)	$I=3\sqrt{CV}$ or 5mA whichever is smaller.(After 5 minutes application of rated voltage) I =Leakage Current(μ A) C =Capacitance(μ F) V =Rated Voltage(Vdc)						
(tan δ) Dissipation Factor(MAX)	0.25 (20°C, 120Hz)						
Endurance	After applying rated voltage with rated ripple current for 20000 hours at 85°C, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <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.
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 \leq
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	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	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 (μF)	Size φDXL (mm)	Rated Ripple Current (A.r.m.s 85°C, 120Hz)
350	2700	64×104	12.2
	3300	64×114	13.6
	3900	64×129	15.1
	3900	77×101	16.5
	4700	64×149	16.9
	4700	77×111	18.9
	5600	64×174	18.9
	5600	77×126	21.1
	5600	90×104	23.4
	6800	64×204	21.3
	6800	77×151	24.0
	6800	90×119	26.5
	8200	64×249	24.2
	8200	77×171	26.8
	8200	90×134	29.7
	10000	77×206	30.5
	10000	90×159	34.0
	12000	77×241	34.2
	12000	90×184	38.3
	15000	90×219	44.1
400	2200	64×104	11.3
	2700	64×114	12.7
	3300	64×134	14.4
	3300	77×101	16.0
	3900	64×154	16.0
	3900	77×116	17.8
	4700	64×179	18.0
	4700	77×131	20.0
	4700	90×104	22.0
	5600	64×209	20.1
	5600	77×151	22.3
	5600	90×119	24.7
	6800	64×249	22.7
	6800	77×176	25.2
	6800	90×139	28.1
	8200	77×211	28.5
	8200	90×159	31.7
	10000	77×246	32.2
10000	90×189	36.2	
12000	90×219	40.7	

Rated Voltage (Vdc)	Capacitance (μF)	Size φDXL (mm)	Rated Ripple Current (A.r.m.s 85°C, 120Hz)
450	1800	64×104	9.6
	2200	64×114	11.0
	2700	64×134	12.6
	2700	77×101	13.5
	3300	64×154	14.2
	3300	77×116	15.2
	3900	64×179	15.8
	3900	77×131	16.9
	3900	90×104	18.7
	4700	64×209	17.7
	4700	77×151	19.0
	4700	90×119	21.1
	5600	64×244	19.8
	5600	77×176	21.3
	5600	90×134	23.6
	6800	77×206	24.1
	6800	90×159	27.0
	8200	77×241	27.1
	8200	90×184	30.5
	10000	90×219	34.8

◆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