

LSA SERIES

85°C Long Life, High Ripple Current

•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(μA) C =Capacitance(μF) V =Rated Voltage(Vdc)						
Dissipation Factor(MAX) (tanδ)	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"> <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≤
Coefficient	0.80	1.00	1.17	1.23	1.30	1.40

◆PART NUMBER

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

◆DIMENSIONS

		(mm)						
I type	φD	W1	W2	W3	W4	W5	F	
	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	φD	W1	W2	W3	W4	W5	F	
	64	38.0	43.0	4.5	8.0	14	28.2	
	77	44.5	49.0	4.5	7.0	14	31.4	
Y type	φD	W1	W2	W3	W4	W5	F	
	90	50.8	56.0	4.5	8.0	16	31.4	

◆STANDARD SIZE

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Rubycon:

<u>350LSA10000MNB77X206</u>	<u>350LSA10000MNB90X159</u>	<u>350LSA12000MNB77X241</u>	<u>350LSA12000MNB90X184</u>
<u>350LSA15000MNB90X219</u>	<u>350LSA2700MNB64X104</u>	<u>450LSA5600MNB77X176</u>	<u>450LSA5600MNB90X134</u>
<u>450LSA6800MNB77X206</u>	<u>450LSA6800MNB90X159</u>	<u>450LSA8200MNB77X241</u>	<u>450LSA8200MNB90X184</u>
<u>450LSA3900MNB77X131</u>	<u>450LSA3900MNB90X104</u>	<u>450LSA4700MNB64X209</u>	<u>450LSA4700MNB77X151</u>
<u>450LSA4700MNB90X119</u>	<u>450LSA5600MNB64X244</u>	<u>450LSA2200MNB64X114</u>	<u>450LSA2700MNB64X134</u>
<u>450LSA2700MNB77X101</u>	<u>450LSA3300MNB64X154</u>	<u>450LSA3300MNB77X116</u>	<u>450LSA3900MNB64X179</u>
<u>400LSA6800MNB77X176</u>	<u>400LSA6800MNB90X139</u>	<u>400LSA8200MNB77X211</u>	<u>400LSA8200MNB90X159</u>
<u>450LSA10000MNB90X219</u>	<u>450LSA1800MNB64X104</u>	<u>400LSA4700MNB77X131</u>	<u>400LSA4700MNB90X104</u>
<u>400LSA5600MNB64X209</u>	<u>400LSA5600MNB77X151</u>	<u>400LSA5600MNB90X119</u>	<u>400LSA6800MNB64X249</u>
<u>400LSA2700MNB64X114</u>	<u>400LSA3300MNB64X134</u>	<u>400LSA3300MNB77X101</u>	<u>400LSA3900MNB64X154</u>
<u>400LSA3900MNB77X116</u>	<u>400LSA4700MNB64X179</u>	<u>350LSA8200MNB77X171</u>	<u>350LSA8200MNB90X134</u>
<u>400LSA10000MNB77X246</u>	<u>400LSA10000MNB90X189</u>	<u>400LSA12000MNB90X219</u>	<u>400LSA2200MNB64X104</u>
<u>350LSA5600MNB77X126</u>	<u>350LSA5600MNB90X104</u>	<u>350LSA6800MNB64X204</u>	<u>350LSA6800MNB77X151</u>
<u>350LSA6800MNB90X119</u>	<u>350LSA8200MNB64X249</u>	<u>350LSA3300MNB64X114</u>	<u>350LSA3900MNB64X129</u>
<u>350LSA3900MNB77X101</u>	<u>350LSA4700MNB64X149</u>	<u>350LSA4700MNB77X111</u>	<u>350LSA5600MNB64X174</u>