

LSU SERIES

85°C 5000 hours, Screw Terminal Type

◆FEATURES

- Load Life : 85°C 5000 hours.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics																
Category Temperature Range	-25~+85°C																
Rated Voltage Range	350~500V.DC																
Capacitance Tolerance	±20%(20°C,120Hz)																
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>WV \ φD</td> <td>51</td> <td>64</td> <td>77</td> <td>90</td> <td rowspan="3">(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> <tr> <td>500</td> <td>0.25</td> <td>0.30</td> <td>0.30</td> <td>0.30</td> </tr> </table>	WV \ φD	51	64	77	90	(20°C, 120Hz)	350~450	0.20	0.25	0.25	0.25	500	0.25	0.30	0.30	0.30
WV \ φD	51	64	77	90	(20°C, 120Hz)												
350~450	0.20	0.25	0.25	0.25													
500	0.25	0.30	0.30	0.30													
Leakage Current(MAX)	$I = 3 \sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage) $I=(\mu A)$ Leakage Current $C=(\mu F)$ Rated Capacitance $V=(V)$ Rated Voltage																
Endurance	After applying rated voltage with rated ripple current for 5000 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.										
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◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

(Hz) Frequency	60	120	300	500	1k	10k
350~450WV	0.80	1.00	1.17	1.23	1.30	1.40
500WV	0.80	1.00	1.15	1.20	1.25	1.30

◆PART NUMBER

LSU M DXL
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Clamp Code Case Size

◆Dimensions in mm (not to scale)

	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
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

※Please refer to page 145 about recommended tightening torque and permissible current of terminal.

◆STANDARD SIZE

Cap (μF)	350V		400V		450V		500V	
	WV (V.DC)							
1200					51×98	6.5	51×98	5.6
1500			51×98	6.9	51×118	7.4	51×118	6.3
1800	51×98	7.8	51×118	7.7	51×138	8.3	51×148	7.1
2200	51×118	8.7	51×138	8.6	64×119	10.1	64×119	8.5
2700	51×138	9.8	51×148	9.5	64×139	11.3	64×139	9.6
3300	51×148	10.8	64×119	11.5	64×149	12.5	64×149	10.5
3400			77×126	10.4				
3900	64×119	12.9	64×139	12.7	77×121	15.3	77×131	13.3
4700	64×139	14.3	64×149	13.8	77×141	17.0	77×151	14.8
			77×121	15.8	90×121	18.1	90×121	17.8
5600	77×121	17.8	64×189	15.4	77×151	17.4	90×131	19.5
			77×141	17.5				
6800	64×189	17.7	77×151	19.2	77×191	19.2	77×191	18.1
	77×141	19.8	90×121	22.9	90×141	21.0	90×151	21.7
8200	77×151	21.8	77×191	21.4	90×191	25.1	90×191	24.5
	90×121	25.8	90×141	25.4				
10000	77×191	24.6	90×151	27.9	90×221	27.9	90×221	27.4
	90×141	28.8						
12000	90×191	30.6	90×191	31.5	90×241	30.0	90×241	30.1
15000	90×191	36.2	90×221	35.8				
18000	90×221	40.1	90×241	38.9				
20000			101×253	42.2				

↑ ↑ Ripple Current (A r.m.s./120Hz, 85°C)
 Case Size φD×L(mm)