



**LSU SERIES**



**85°C Standard, Screw Terminal Type**

**◆ FEATURES**

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

**◆ SPECIFICATIONS**

Items	Characteristics											
Category Temperature Range	-25 ~ +85°C											
Rated Voltage Range	350~450V.DC											
Capacitance Tolerance	±20%(20°C, 120Hz)											
tanδ Dissipation Factor(MAX)	<table border="1"> <tr> <td>WV \ φ D</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>0.2</td> <td>0.25</td> <td>0.25</td> <td>0.25</td> </tr> </table>	WV \ φ D	51	64	77	90	(20°C, ) 120Hz)	350~450	0.2	0.25	0.25	0.25
WV \ φ D	51	64	77	90	(20°C, ) 120Hz)							
350~450	0.2	0.25	0.25	0.25								
Leakage Current(MAX)	$I=3\sqrt{CV}$ or 5mA whichever is smaller. (After 5 minutes application of rated voltage) I=Leakage Current(μA)      V=Rated Voltage(V)      C=Rated Capacitance(μF)											
Endurance	After applying rated voltage with rated ripple current for 5000hrs 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

Frequency	60(50)	120(100)	300	500	1k	5k≤	
Coefficient	350~450WV	0.80	1.00	1.17	1.23	1.30	1.40

**◆ PART NUMBER**



**◆ Dimensions in mm (not to scale)**

(mm)

	φ D	W1	W2	W3	W4	W5	P
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 notice the following conditions for use.

(1) Maximum screw terminal tightening torque; 3.2N·m or less.

(2) Maximum ripple current shall be 50Arms or less because of the rated current of M5 screw terminal.

**◆ STANDARD SIZE**

Cap (μF)	WV (V.DC)	350V		400V		450V	
		φ	L	φ	L	φ	L
1200						51 × 98	6.5
1500				51 × 98	6.9	51 × 118	7.4
1800		51 × 98	7.8	51 × 118	7.7	51 × 138	8.3
2200		51 × 118	8.7	51 × 138	8.6	64 × 119	10.1
2700		51 × 138	9.8	51 × 148	9.5	64 × 139	11.3
3300		51 × 148	10.8	64 × 119	11.5	64 × 149	12.5
3900		64 × 119	12.9	64 × 139	12.7	77 × 121	15.3
4700		64 × 139	14.3	64 × 149	13.8	77 × 141	17.0
				77 × 121	15.8	90 × 121	18.1
5600		77 × 121	17.8	64 × 189	15.4	77 × 151	17.4
				77 × 141	17.5		
6800		64 × 189	17.7	77 × 151	19.2	77 × 191	19.2
		77 × 141	19.8	90 × 121	22.9	90 × 141	21.0
8200		77 × 151	21.8	77 × 191	21.4	90 × 191	25.1
		90 × 121	25.8	90 × 141	25.4		
10000		77 × 191	24.6	90 × 151	27.9	90 × 221	27.9
		90 × 141	28.8				
12000		90 × 191	30.6	90 × 191	31.5	90 × 241	30.0
15000		90 × 191	36.2	90 × 221	35.8		
18000		90 × 221	40.1	90 × 241	38.9		

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