



**LSU SERIES**



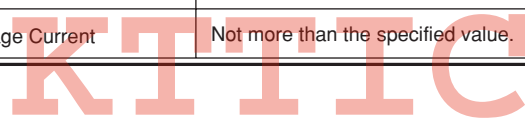
**85°C Standard, Screw Terminal Type**

**◆ 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)	<p><math>I=3\sqrt{CV}</math> or 5mA whichever is smaller. (After 5 minutes application of rated voltage)</p> <p><math>I</math>=Leakage Current(μA)      <math>V</math>=Rated Voltage(V)      <math>C</math>=Rated Capacitance(μF)</p>											
Endurance	<p>After applying rated voltage with rated ripple current for 5000hrs at 85°C, the capacitors shall meet the following requirements.</p> <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	0.80	1.00	1.17	1.23	1.30	1.40

**◆ PART NUMBER**



**◆ Dimensions in mm (not to scale)**

		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	
Y type	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		77 × 141	19.8	77 × 151	19.2	77 × 191	19.2
	90 × 121			22.9	90 × 141	21.0	
8200		90 × 121	25.8	77 × 191	21.4	90 × 191	25.1
	90 × 141			25.4			
10000		90 × 141	28.8	90 × 151	27.9	90 × 221	27.9
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)