

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)																			
Leakage Current(MAX)	I=3√CV or 5mA whichever is smaller.(After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																			
Dissipation Factor(MAX) (tanδ)	<table><tr><td>WV \ φD</td><td>51</td><td>64</td><td>77</td><td>90</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> (20°C, 120Hz)					WV \ φD	51	64	77	90	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																
350~450	0.20	0.25	0.25	0.25																
500	0.25	0.30	0.30	0.30																
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 85°C, the capacitors shall meet the following requirements. <table><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	120	300	500	1k	10k≤
Coefficient						
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 Capacitance Capacitance Tolerance Option Clamp Code Case Size

◆STANDARD SIZE

V.DC	Cap(μF)	Size φDXL (mm)	Ripple Current	V.DC	Cap(μF)	Size φDXL (mm)	Ripple Current	V.DC	Cap(μF)	Size φDXL (mm)	Ripple Current	V.DC	Cap(μF)	Size φDXL (mm)	Ripple Current
350	1800	51×98	7.8	400	1500	51×98	6.9	450	1200	51×98	6.5	500	1200	51×98	5.6
	2200	51×118	8.7		1800	51×118	7.7		1500	51×118	7.4		1500	51×118	6.3
	2700	51×138	9.8		2200	51×138	8.6		1800	51×138	8.3		1800	51×148	7.1
	3300	51×148	10.8		2700	51×148	9.5		2200	64×119	10.1		2200	64×119	8.5
	3900	64×119	12.9		3300	64×119	11.5		2700	64×139	11.3		2700	64×139	9.6
	4700	64×139	14.3		3900	64×139	12.7		3300	64×149	12.5		3300	64×149	10.5
	5600	77×121	17.8		4700	64×149	13.8		3900	77×121	15.3		3900	77×131	13.3
	6800	64×189	17.7			77×121	15.8		4700	77×141	17.0		4700	77×151	14.8
		77×141	19.8		64×189	15.4	90×121			18.1	90×121			17.8	
	8200	77×151	21.8		5600	77×141	17.5		5600	77×151	17.4		5600	90×131	19.5
		90×121	25.8			6800	77×151		19.2	6800	77×191		19.2	6800	77×191
	10000	77×191	24.6		8200	90×121	22.9		90×141		21.0		90×151		21.7
		90×141	28.8			77×191	21.4		8200	90×191	25.1		8200	90×191	24.5
12000	90×191	30.6	90×141	25.4	10000	90×221	27.9	10000	90×221	27.4					
15000	90×191	36.2	10000	90×151	27.9	12000	90×241	30.0	12000	90×241	30.1				
18000	90×221	40.1	12000	90×191	31.5	Ripple Current: (A r.m.s./120Hz,85℃)									
			15000	90×221	35.8										
			18000	90×241	38.9										

Ripple Current: (A r.m.s./120Hz, 85°C)

*Please refer to page 163 about recommended tightening torque and permissible current of terminal.



◆Dimensions in mm (not to scale)

