

LSU SERIES

Load Life : 85°C 5000 hours

RoHS
compliance



◆ SPECIFICATIONS

Items	Characteristics																			
Category Temperature Range	-25~+85℃																			
Rated Voltage Range	350~580Vdc																			
Capacitance Tolerance	±20% (20℃, 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(Vdc)																			
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Vdc \ 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>500~580</td><td>0.25</td><td>0.30</td><td>0.30</td><td>0.30</td></tr></table> (20℃, 120Hz)					Vdc \ φD	51	64	77	90	350~450	0.20	0.25	0.25	0.25	500~580	0.25	0.30	0.30	0.30
Vdc \ φD	51	64	77	90																
350~450	0.20	0.25	0.25	0.25																
500~580	0.25	0.30	0.30	0.30																
Endurance	After applying rated voltage with rated ripple current for 5000 hours (580Vdc:3000 hours), at 85℃, 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.									
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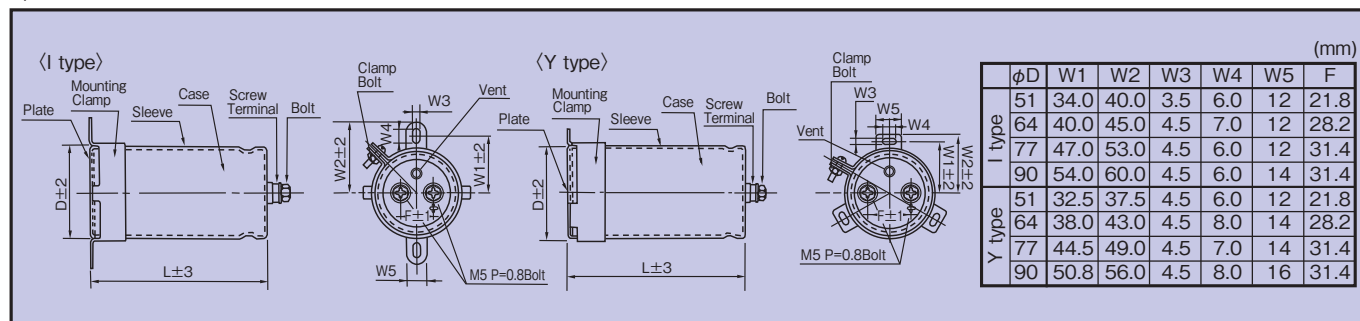
◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60 (50)	120 (100)	300	500	1k	10k $\leq$
Coefficient	350~450Vdc	0.80	1.00	1.17	1.23	1.30	1.40
	500~580Vdc	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

◆ DIMENSIONS



◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (uF)	Size φDXL (mm)	Ripple Current (A.r.m.s 85°C,120Hz)
350	1800	51×98	7.8
	2200	51×118	8.7
	2700	51×138	9.8
	3300	51×148	10.8
	3900	64×119	12.9
	4700	64×139	14.3
	5600	77×121	17.8
	6800	64×189	17.7
	6800	77×141	19.8
	8200	77×151	21.8
	8200	90×121	25.8
	10000	77×191	24.6
	10000	90×141	28.8
	12000	90×191	30.6
	15000	90×191	36.2
	18000	90×221	40.1
400	1500	51×98	6.9
	1800	51×118	7.7
	2200	51×138	8.6
	2700	51×148	9.5
	3300	64×119	11.5
	3900	64×139	12.7
	4700	64×149	13.8
	4700	77×121	15.8
	5600	64×189	15.4
	5600	77×141	17.5
	6800	77×151	19.2
	6800	90×121	22.9
	8200	77×191	21.4
	8200	90×141	25.4
	10000	90×151	27.9
	12000	90×191	31.5
	15000	90×221	35.8
	18000	90×241	38.9
450	1200	51×98	6.5
	1500	51×118	7.4
	1800	51×138	8.3
	2200	64×119	10.1
	2700	64×139	11.3
	3300	64×149	12.5
	3900	77×121	15.3
	4700	77×141	17.0
	4700	90×121	18.1
	5600	77×151	17.4
	6800	77×191	19.2
	6800	90×141	21.0
	8200	90×191	25.1
	10000	90×221	27.9
	12000	90×241	30.0

Rated Voltage (Vdc)	Capacitance (uF)	Size φDXL (mm)	Ripple Current (A.r.m.s 85°C,120Hz)
500	1200	51×98	5.6
	1500	51×118	6.3
	1800	51×148	7.1
	2200	64×119	8.5
	2700	64×139	9.6
	3300	64×149	10.5
	3900	77×131	13.3
	4700	77×151	14.8
	4700	90×121	17.8
	5600	90×131	19.5
	6800	77×191	18.1
	6800	90×151	21.7
	8200	90×191	24.5
	10000	90×221	27.4
	12000	90×241	30.1
550	1800	64×119	6.0
	2200	64×139	6.8
	2700	64×149	7.5
	3300	77×131	9.4
	3900	77×151	10.4
	4700	77×171	11.5
	4700	90×131	13.6
	5600	77×191	12.7
	5600	90×151	15.2
	6800	90×191	17.3
	8200	90×221	19.4
	10000	90×241	21.6
580	1500	64×119	5.6
	1800	64×139	6.3
	2200	64×149	7.1
	2700	77×131	8.8
	3300	77×151	9.9
	3900	77×171	11.0
	3900	90×131	12.9
	4700	77×191	12.2
	4700	90×151	14.5
	5600	90×191	16.3
	6800	90×221	18.4
	8200	90×241	20.4

◆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.]