LSC SERIES

105℃ 5000 hours, High Ripple Current, Screw Terminal Type

◆FEATURES

- Load Life : 105℃ 5000 hours
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−25～+105℃
Rated Voltage Range	350～450Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=3 $\sqrt{CV}$ or 5mA whichever is smaller.(After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
(tanδ) Dissipation Factor(MAX)	0.25 (20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 105℃, the capacitors shall meet the following requirements.

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.

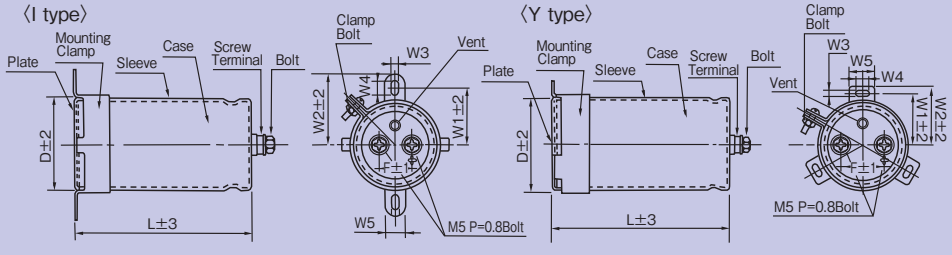
◆MULTIPLIER FOR RIPPLE CURRENT

Frequency(Hz)	60(50)	120(100)	300	500	1k	10k≦
Coefficient	0.80	1.00	1.17	1.23	1.30	1.40

◆PART NUMBER

□□□	LSC	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Clamp Code	Case Size

◆Dimensions in mm (not to scale)



(mm)

	φD	W1	W2	W3	W4	W5	F
I type	64	40.0	45.0	4.5	7.0	12	28.2
	77	47.0	53.0	4.5	6.0	12	31.4
	90	54.0	60.0	4.5	6.0	14	31.4
Y type	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

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φDXL(mm)	Rated Ripple Current (A.r.m.s 105℃,120Hz)
350	2700	64×104	12.5
	3300	64×114	13.9
	3900	64×129	15.4
	3900	77×101	17.0
	4700	64×149	17.3
	4700	77×111	19.4
	5600	64×174	19.4
	5600	77×126	21.6
	5600	90×104	24.0
	6800	64×204	21.9
	6800	77×151	24.7
	6800	90×119	27.2
	8200	64×244	24.7
	8200	77×171	27.6
	8200	90×134	30.5
	10000	77×206	31.4
	10000	90×159	34.9
	12000	77×241	35.2
	12000	90×184	39.3
	15000	90×219	45.3
400	2200	64×104	11.6
	2700	64×114	12.9
	3300	64×134	14.7
	3300	77×101	16.4
	3900	64×154	16.4
	3900	77×116	18.2
	4700	64×179	18.4
	4700	77×131	20.4
	4700	90×104	22.5
	5600	64×209	20.5
	5600	77×151	22.9
	5600	90×119	25.3
	6800	64×249	23.2
	6800	77×176	25.8
	6800	90×139	28.8
	8200	77×211	29.2
	8200	90×159	32.4
	10000	77×246	33.0
	10000	90×189	37.0
	12000	90×219	41.7

Rated Voltage (Vdc)	Capacitance (μF)	Size φDXL(mm)	Rated Ripple Current (A.r.m.s 105℃,120Hz)
450	1800	64×104	10.0
	2200	64×114	11.5
	2700	64×134	13.1
	2700	77×101	14.0
	3300	64×154	14.8
	3300	77×116	15.8
	3900	64×179	16.4
	3900	77×131	17.6
	3900	90×104	19.4
	4700	64×209	18.4
	4700	77×151	19.8
	4700	90×119	21.9
	5600	64×244	20.6
	5600	77×176	22.2
	5600	90×134	24.5
	6800	77×206	25.0
	6800	90×159	28.0
	8200	77×241	28.1
	8200	90×184	31.6
	10000	90×219	36.1

◆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]	60Arms