

ZL Series 20000Hrs 85℃

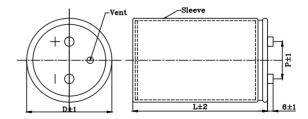
Features:

- ●85℃ 20000Hrs
- •Super long life 20000hrs guaranteed
- Application to trains, electric automobile, solar, wind power and precision machinery and control equipment.

Specification:

Item	Performance Characteristics
Operating Temperature Range	-25 ~ +85℃
Rated Working Voltage Range	350 ~ 450V
Nominal Capacitance Range	1000~12000 uf(120Hz, +20℃)
Capacitance Tolerance	±20%
Leakage Current	1≦0.01CV(C:Norminal Capacity; V: Rated Voltage)
Dissipation Factor	0.18 (at20℃,120Hz)
Low Temperature Characteristics(120Hz)	C(-25°C)/C(+20°C)≧0.7(120HZ)
Load Life	Test Condition Duration time:20000Hrs Ambient temperature:+85 $^{\circ}$ C Applied voltage:Rated DC working voltage After test requirement at +20 $^{\circ}$ C Capacitance change: $\leq \pm 20\%$ of the initial measured value Dissipation factor Tan δ : $\leq 300\%$ of the initial specified value Leakage Current LC: \leq the initial specified value
Shelf Life	Test Conditions Duration time:1000Hrs Ambient temperature:+85°C Applied voltage:None After test requirement at +20°C:Same limits as load life Capacitance change:≤±20% of the initial measured value Dissipation factor Tanō:≤300% of the initial specified value Leakage Current LC:≤the initial specified value Pre-treatment for measurement shall be conducted after application of DC working voltage for 60 minutes after put 24 hours

Diagram of Dimension:(unit:mm)



D	51	64	77	90	101
P	22	28.6	32	32	41.5
Screw	M5	M5	M5	M6	M8
N.m	2.2	2.2	2.2	3.5	7.5

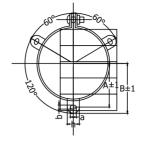
Multiplier For Ripple Current Vs. Frequency

Frequency	50Hz	120Hz	300Hz	1KH	≧10KHZ
Factor	0.70	1.00	1.10	1.30	1.40

Multipler For Ripple Current Vs. Temperature

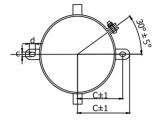
Temp.(°C)	40	60	85
Factor	3.80	3.00	2.00

Y Snap ring

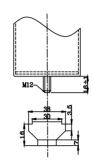


Dia(mm)	A(mm)	B(mm)	a(mm)	b(mm)	h(mm)
51	31.8	36.5	7.0	4.5	14.0
64	38.1	42.5	7.0	4.5	14.0
77	44.5	49.2	7.0	4.5	14.0
90	50.8	55.6	7.0	4.5	14.0
101	56.5	63.4	7.0	4.5	18.0

I Snap ring



Dia(mm)	C(mm)	D(mm)	c(mm)	d(mm)
36	24	29	3.5	6.0
51	32.8	38.5	4.5	6.0
64	39.5	44.5	4.5	6.0
77	46.8	52.3	4.5	6.0



Case Size

Rated Voltage/Surge Voltage	Nominal Capacity(uf)	DF(Max)	ESR (Max)m Ω	Ripple Current 60℃ 120Hz Arms	Ripple Current 60℃ 120Hz Arms	Size0(D×L)mm
	2200	0.15	36.00	13.69	8.20	51×105
	2700	0.15	34.00	17.03	10.20	51×130
	3300	0.15	27.00	19.21	11.50	64×96
	3900	0.15	24.00	21.71	13.00	64×115
350	4700	0.15	20.00	25.05	15.00	64×130
(400)	5600	0.15	17.00	27.56	16.50	77×115
	6800	0.15	11.00	31.73	19.00	77×130
	8200	0.15	9.00	37.58	22.50	77×155
	10000	0.15	8.00	43.42	26.00	90×130
	12000	0.15	6.00	53.44	32.00	90×155
	1800	0.15	46.00	13.03	7.80	51×96
	2200	0.15	37.00	16.70	10.00	51×115
	2700	0.15	34.00	18.04	10.80	64×96
	3300	0.15	27.00	20.04	12.00	64×115
400	3900	0.15	24.00	23.05	13.80	64×130
(450)	4700	0.15	20.00	28.06	16.80	77×115
	5600	0.15	18.00	29.23	17.50	77×130
	6800	0.15	11.50	33.73	20.20	77×155
	8200	0.15	10.00	40.08	24.00	77×170
	10000	0.15	8.50	48.43	29.00	90×155
	1000	0.15	80.00	8.85	5.30	51×80
	1200	0.15	75.00	10.02	6.00	51×96
	1500	0.15	45.00	12.53	7.50	51×105
	1800	0.15	40.00	14.03	8.40	51×130
	2200	0.15	37.00	16.70	10.00	64×96
450	2700	0.15	34.00	19.21	11.50	64×115
(500)	3300	0.15	26.00	20.71	12.40	64×130
	3900	0.15	24.00	23.38	14.00	77×115
	4700	0.15	20.00	28.06	16.80	77×130
	5600	0.15	18.00	31.73	19.00	77×155
	6800	0.15	11.50	36.74	22.00	90×155
	8200	0.15	10.00	43.42	26.00	90×170