ZLK SERIES

105℃ Ultra High Ripple, Low Impedance.

◆FEATURES

- Load Life: 105℃ 4000～5000hours.
- RoHS compliance.

◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40～+105℃
Rated Voltage Range	10～35V.DC
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV (After 2 minutes) I=(μA) Leakage Current C=(μF) Rated Capacitance V=(V) Rated Voltage
(tanδ) Dissipation Factor(MAX)	(20℃,120Hz)
Endurance	After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirement.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

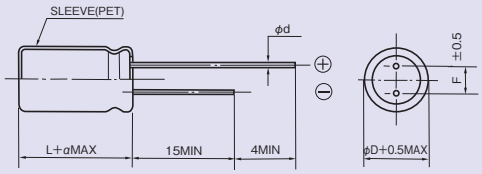
Rated Voltage	10	16	25	35
tanδ	0.19	0.16	0.14	0.12

Capacitance Change	Within ±25% of the initial value.
Dissipation Factor	Not more than 200% of the specified value.
Leakage Current	Not more than the specified value.

Case Size	(hrs) Life Time
8×16, 8×20 10×12.5	4000
10×16,10×20 10×25	5000

Rated Voltage	10	16	25	35
Z(−25℃)/Z(20℃)	2	2	2	2
Z(−40℃)/Z(20℃)	3	3	3	3

◆DIMENSIONS (mm)



φD	8	10
φd	0.6	
F	3.5	5.0
α	L≦16:α=1.5	L≧20:α=2.0

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

(Hz) Frequency	120	1k	10k	100k≦
Coefficient	0.30	0.70	0.90	1.00

◆STANDARD SIZE

Size φDXL(mm) Ripple current(mA r.m.s./105℃,100kHz),Impedance(Ω Max/100kHz)

WV (V.DC)	Cap (μF)	Size (φDxL)	Ripple	Impedance 20℃	Impedance -10℃
10 (1A)	680	8×16	2050	0.059	0.18
	680	10×12.5	2190	0.053	0.16
	1000	8×20	2380	0.041	0.13
	1000	10×16	2550	0.038	0.12
	1500	10×20	2880	0.028	0.084
	1800	10×25	3160	0.024	0.072

WV (V.DC)	Cap (μF)	Size (φDxL)	Ripple	Impedance 20℃	Impedance -10℃
16 (1C)	470	8×16	2050	0.059	0.18
	560	10×12.5	2190	0.053	0.16
	680	8×20	2380	0.041	0.13
	820	10×16	2550	0.038	0.12
	1200	10×20	2880	0.028	0.084
	1500	10×25	3160	0.024	0.072

WV (V.DC)	Cap (μF)	Size (φDxL)	Ripple	Impedance 20℃	Impedance -10℃
25 (1E)	330	8×16	2050	0.059	0.18
	390	10×12.5	2190	0.053	0.16
	470	8×20	2380	0.041	0.13
	560	10×16	2550	0.038	0.12
	820	10×20	2880	0.028	0.084
	1000	10×25	3160	0.024	0.072
35 (1V)	220	8×16	2050	0.059	0.18
	220	10×12.5	2190	0.053	0.16
	270	8×20	2380	0.041	0.13
	330	10×16	2550	0.038	0.12
	470	10×20	2880	0.028	0.084
	560	10×25	3160	0.024	0.072

◆OPTION

	Code
PET Sleeve	Blank

◆PART NUMBER

□□□	ZLK	□□□	M	□□□	□□□	D×L
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size