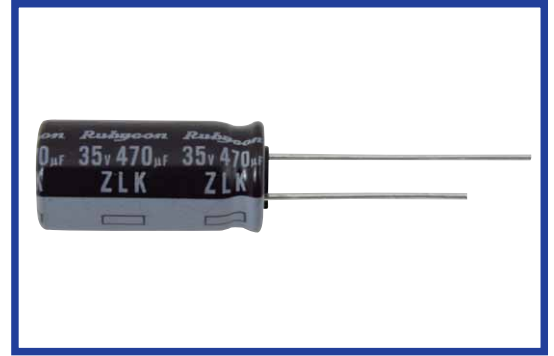


ZLK SERIES

105°C Ultra High Ripple, Low Impedance.

◆FEATURES

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



◆SPECIFICATIONS

Items	Characteristics				
Category Temperature Range	-40~+105°C				
Rated Voltage Range	10~35V.DC				
Capacitance Tolerance	±20% (20°C, 120Hz)				
Leakage Current(MAX)	$I=0.01CV$ (After 2 minutes) I =Leakage Current(μA) C =Capacitance(μF) V =Rated Voltage(V)				
Dissipation Factor(MAX) ($\tan\delta$)	Rated Voltage (V)	10	16	25	35
	$\tan\delta$	0.19	0.16	0.14	0.12
(20°C, 120Hz)					
Endurance	After life test with ripple current at conditions stated in the table below at 105°C, the capacitors shall meet the following requirement.				
	Capacitance Change	Within ±25% of the initial value.			Case Size
	Dissipation Factor	Not more than 200% of the specified value.			Life Time (hrs)
	Leakage Current	Not more than the specified value.			
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage(V)	10	16	25	35
	$Z(-25^{\circ}C)/Z(20^{\circ}C)$	2	2	2	2
	$Z(-40^{\circ}C)/Z(20^{\circ}C)$	3	3	3	3
	(120Hz)				

◆DIMENSIONS

			(mm)
φD	8	10	
φd	0.6		
F	3.5	5.0	
a	L≤16:a=1.5 L≥20:a=2.0		

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	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°C, 100kHz), Impedance(Ω Max/100kHz)

WV (V.DC)	Cap (μF)	Size (φDxL)	Ripple	Impedance	
				20°C	-10°C
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
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
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	□□□	□□□	DXL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size