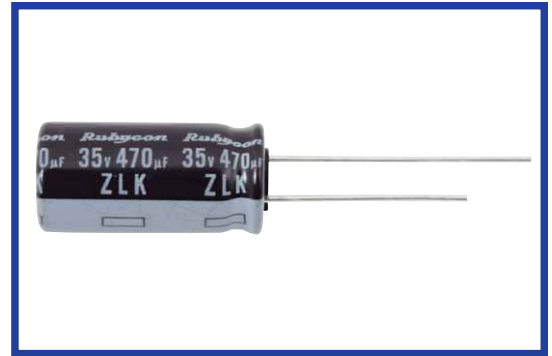


ZLK SERIES

105°C Ultra High Ripple Current, Low Impedance.

◆FEATURES

- Load Life: 105°C 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=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																			
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>10</td><td>16</td><td>25</td><td>35</td></tr><tr><td>tanδ</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td></tr></table> (20℃,120Hz)					Rated Voltage (V)	10	16	25	35	tanδ	0.19	0.16	0.14	0.12					
Rated Voltage (V)	10	16	25	35																
tanδ	0.19	0.16	0.14	0.12																
Endurance	After life test with ripple current at conditions stated in the table below at 105℃, the capacitors shall meet the following requirement. <table><tr><td>Capacitance Change</td><td>Within ±25% of the initial value.</td><td>Case Size</td><td>Life Time (hrs)</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td><td>8×16, 8×20 10×12.5</td><td>4000</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td><td>10×16,10×20 10×25</td><td>5000</td></tr></table>					Capacitance Change	Within ±25% of the initial value.	Case Size	Life Time (hrs)	Dissipation Factor	Not more than 200% of the specified value.	8×16, 8×20 10×12.5	4000	Leakage Current	Not more than the specified value.	10×16,10×20 10×25	5000			
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage(V)</td><td>10</td><td>16</td><td>25</td><td>35</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(-40℃)/Z(20℃)</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table> (120Hz)					Rated Voltage(V)	10	16	25	35	Z(-25℃)/Z(20℃)	2	2	2	2	Z(-40℃)/Z(20℃)	3	3	3	3
Rated Voltage(V)	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	
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 φD×L(mm) Ripple current(mA r.m.s./105°C, 100kHz), Impedance(Ω Max/100kHz)

WV (V.DC)	Cap (µF)	Size (φD×L)	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