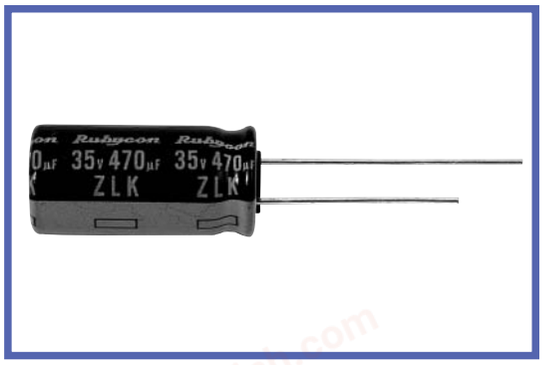
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Rubycon **MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS** **ZLK**

ZLK SERIES NEW

105°C Ultra High Ripple, Low Impedance.



◆FEATURES

- Load Life: 105°C4000~5000hours.
- 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=Rated Capacitance(μF) V=Rated Voltage(V)
(tanδ) Dissipation Factor(MAX)	(20°C, 120Hz)

Rated Voltage (V)	10	16	25	35
tan δ	0.19	0.16	0.14	0.12

Endurance

After life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirement.

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

Low Temperature Stability Impedance Ratio(MAX) (120Hz)

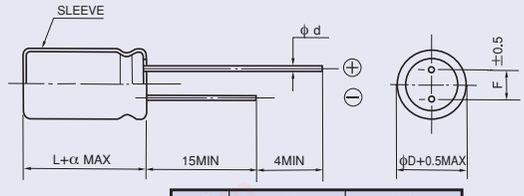
Rated Voltage(V)	10	16	25	35
Z(−25°C)/Z(20°C)	2	2	2	2
Z(−40°C)/Z(20°C)	3	3	3	3

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

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

◆DIMENSIONS (mm)



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

◆PART NUMBER

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

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MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS ZLK

◆STANDARD SIZE

Rated Voltage (V·DC)	Rated capacitance (μF)	Size φ D×L(mm)	Rated ripple current (mA r.m.s./105℃, 100kHz)	Impedance (ΩMAX)	
				20℃, 100kHz	−10℃, 100kHz
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