

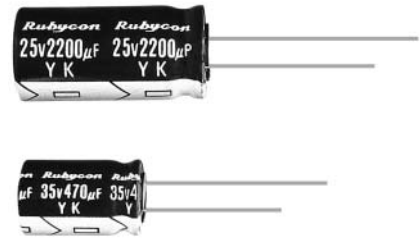
Rubycon

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

YK

YK SERIES**Previous Series****85°C Standard****◆ FEATURES**

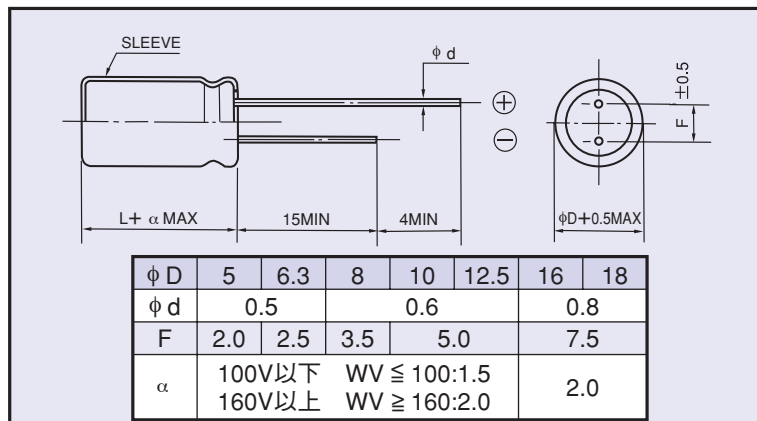
- Load life : 85°C 2000 hours.
- RoHS compliance.

**◆ SPECIFICATIONS**

Items	Characteristics	
Category Temperature Range	-40~+85°C	-25~+85°C
Rated Voltage Range	6.3~250V.DC	350~450V.DC
Capacitance Tolerance	±20% (20°C, 120Hz)	
Leakage Current(MAX)	6.3~100V.DC	160~450V.DC
	I=0.01CV or 3 µA whichever is greater. (After 2 minutes application of rated voltage)	CV ≤ 1000
		I=0.1CV+40 µA (1minute)
		I=0.03CV+15 µA (5minutes)
(tanδ) Dissipation Factor(MAX)	I=Leakage Current(µA) C=Rated Capacitance(µF) V=Rated Voltage(V)	
	Rated Voltage (V)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 120Hz)
	tan δ	0.26 0.22 0.18 0.16 0.14 0.12 0.10 0.08 0.20 0.20 0.20 0.20 0.20 0.20
When rated capacitance is over 1000 µF, tan δ shall be added 0.02 to the listed value with increase of every 1000 µF.		
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 85°C, the capacitors shall meet the following requirements.	
	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.
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)	6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (120Hz)
	Z(-25°C)/Z(20°C)	4 3 2 2 2 2 2 2 3 3 3 5 5 7
	Z(-40°C)/Z(20°C)	8 6 4 4 3 3 3 3 — — — — —

◆ DIMENSIONS

(mm)

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	0.1~1 µF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 µF	0.65	1.00	1.20	1.30	1.50
	10~47 µF	0.80	1.00	1.20	1.30	1.50
	100~1000 µF	0.80	1.00	1.10	1.15	1.20
	2200~22000 µF	0.80	1.00	1.05	1.10	1.15

◆ PART NUMBER

□□□	YK	□□□□□	□	□□□	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ **STANDARD SIZE**

Size ϕ D×L(mm), Ripple Current (mA r.m.s./85°C, 120Hz)[illegible][illegible]