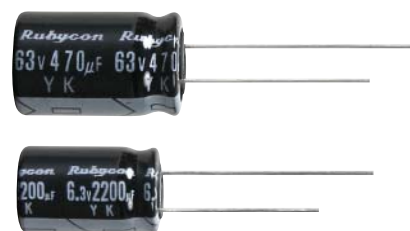


YK SERIES

85°C Standard

◆ FEATURES

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

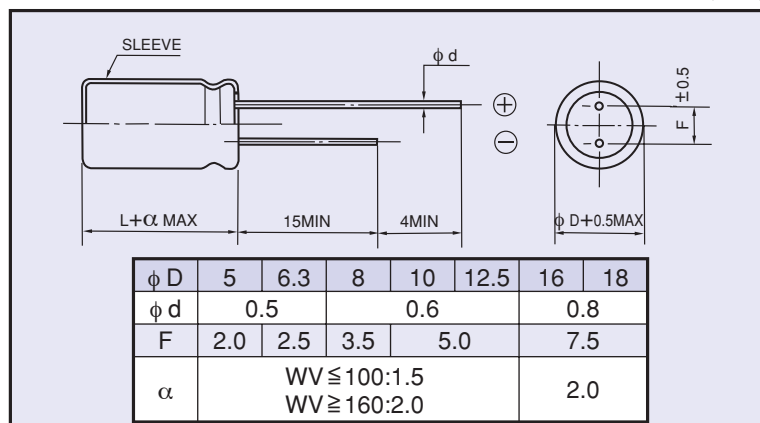


◆ SPECIFICATIONS

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 3μA whichever is greater. (After 2 minutes application of rated voltage)										CV ≤1000			CV >1000		
											I=0.1CV+40μA (1minute) I=0.03CV+15μA (5minutes)			I=0.04CV+100μA (1minute) I=0.02CV+25μA (5minutes)		
	I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)															
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	(20°C,120Hz)
	tanδ	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 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																
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	0.1~1μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
	10~47μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~22000μF	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]