

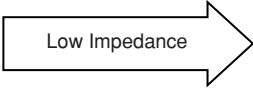
YXA SERIES

105°C Standard

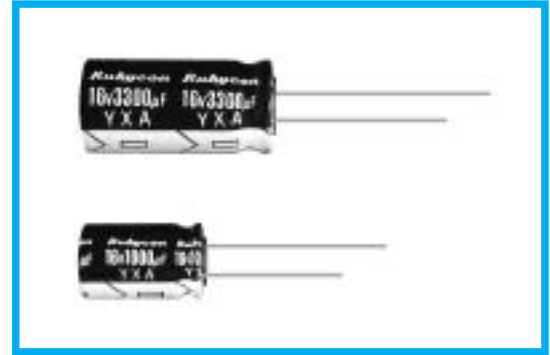
◆ FEATURES

- RoHS compliance.

YXA



YXF, YXG, ZL, ZLH



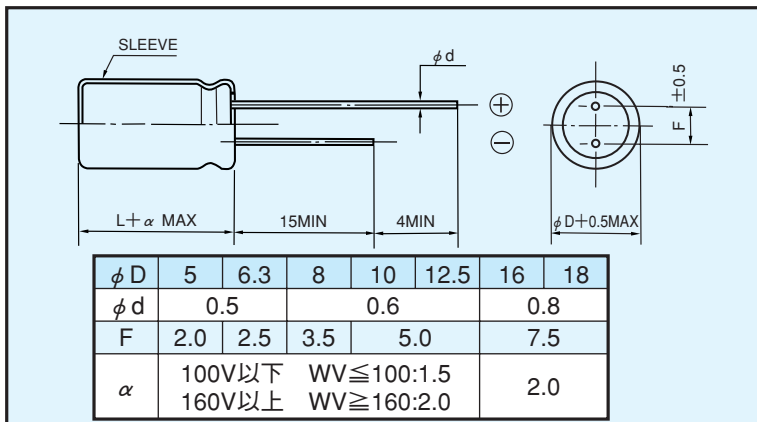
◆ SPECIFICATIONS

Items	Characteristics																												
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																										
Rated Voltage Range	6.3~100V.DC	160~250V.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	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) (tan δ)	Rated Voltage (V)													(20°C, 120Hz)															
	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450															
	tan δ																0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08	0.20	0.20	0.20	0.24	0.24
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 life test with rated ripple current at conditions stated in the table below, the capacitors shall meet the following requirements.																												
	Capacitance Change		Within ±25% of the initial value.										Case Dia		Life Time (hrs)														
	Dissipation Factor		Not more than 200% of the specified value.										φ D≤8		1000														
	Leakage Current		Not more than the specified value.										φ D=10		2000														
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)													(120Hz)															
	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450															
	Z(-25°C)/Z(20°C)																4	3	2	2	2	2	2	2	3	3	3	6	6
Z(-40°C)/Z(20°C)																8	6	4	4	3	3	3	3	-	-	-	-	-	-

◆ DIMENSIONS

(mm)

◆ MULTIPLIER FOR RIPPLE CURRENT



Frequency coefficient

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

◆ PART NUMBER

YXA D X L
 Rated Voltage Series Rated Capacitance Capacitance Tolerance Option Lead Forming Case Size

