

YXA SERIES

105°C Standard

◆ FEATURES

- RoHS compliance.



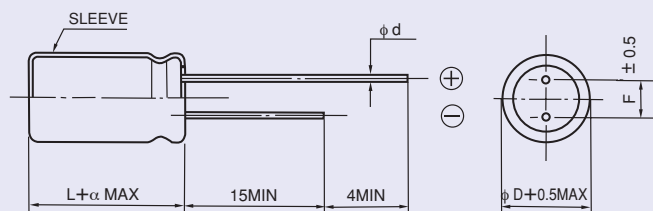
◆ SPECIFICATIONS

Items	Characteristics																
Category Temperature Range	-55 ~ +105℃					-40 ~ +105℃					-25 ~ +105℃						
Rated Voltage Range	6.3~100V.DC					160~250V.DC					350~450V.DC						
Capacitance Tolerance	± 20%(20℃, 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℃, 120Hz)	
	tanδ	0.26	0.22	0.18	0.16	0.14	0.12	0.10	0.08	0.20	0.20	0.20	0.24	0.24	0.24		
	When rated capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																
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	
														φ D≥12.5		3000	
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℃)/Z(20℃)	4	3	2	2	2	2	2	2	3	3	3	6	6	6		
	Z(-40℃)/Z(20℃)	8	6	4	4	3	3	3	3	—	—	—	—	—	—		

◆ DIMENSIONS

(mm)

◆ MULTIPLIER FOR RIPPLE CURRENT



ϕ D	5	6.3	8	10	12.5	16	18
ϕ d	0.5		0.6			0.8	
F	2.0	2.5	3.5	5.0		7.5	
α	$WV \leq 100:1.5$ $WV \geq 160:2.0$					2.0	

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

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

◆ **STANDARD SIZE, RATED RIPPLE CURRENT**

Size ϕ D×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)[illegible][illegible]