

Rubycon

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

YXA

YXA SERIES

105°C Standard

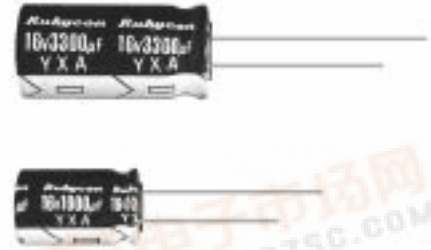
◆FEATURES

- RoHS compliance.

YXA

Low Impedance

YXF, YXG, ZL, ZLH



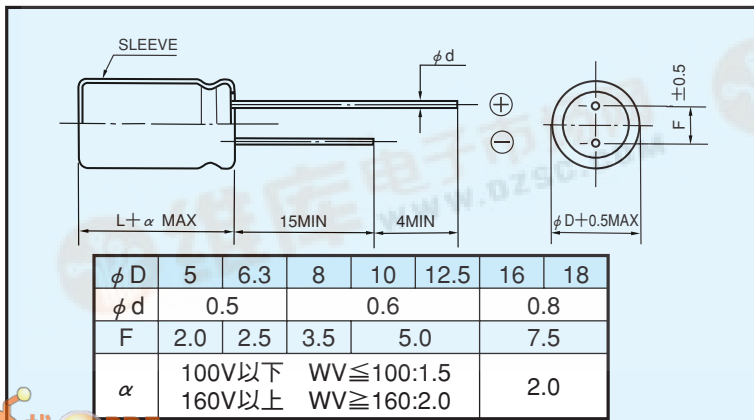
◆SPECIFICATIONS

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 3 μA whichever is greater. (After 2 minutes application of rated voltage)										CV≤1000					CV> 1000				
											I=0.1CV+40 μA (1minute) I=0.03CV+15 μA (5minutes)					I=0.04CV+100 μA (1minute) I=0.02CV+25 μA (5minutes)				
	I=Leakage Current(μ A)					C=Rated Capacitance(μ F)					V=Rated Voltage(V)									
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	(20℃, 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	0.24	0.24	0.24					
	When rated capacitance is over 1000 μ F, tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F.																			
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)	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



Frequency coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	0.1~1 μ F	0.50	1.00	1.20	1.30	1.50
	2.2~4.7 μ F	0.65	1.00	1.20	1.30	1.50
	10~47 μ F	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
Rated Voltage Series
Rated Capacitance
Capacitance Tolerance
Option
Lead Forming
DXL
Case Size

◆STANDARD SIZE, RATED RIPPLE CURRENT

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