

YXA SERIES

105°C Standard

◆ FEATURES

- RoHS compliance.

YXA

Low Impedance

YXF, YXG, ZL, ZLH



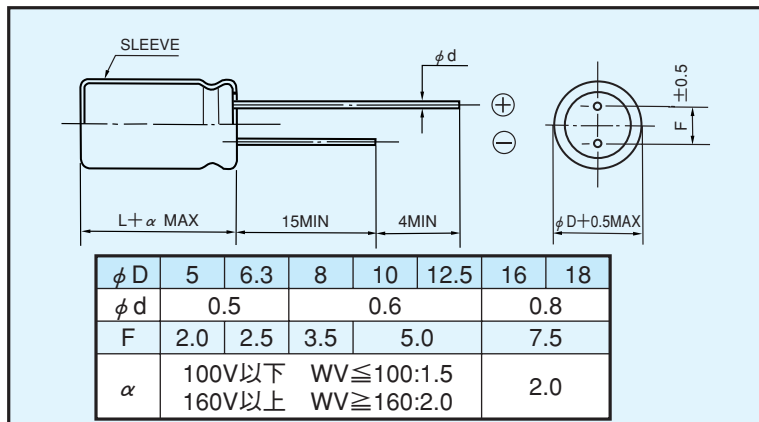
◆ SPECIFICATIONS

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(μA)					C=Rated Capacitance(μF)					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 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.											
	Dissipation Factor				Not more than 200% of the specified value.											
	Leakage Current				Not more than the specified value.											
					Case Dia				Life Time (hrs)							
				φ D≤8				1000								
				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



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

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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]