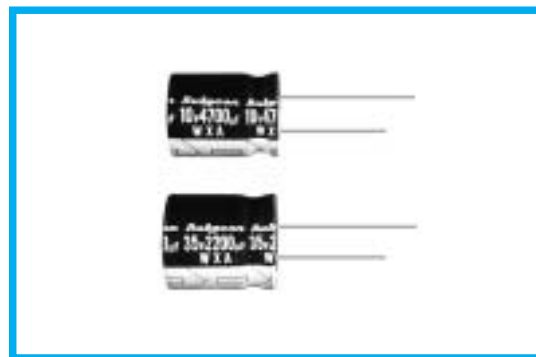
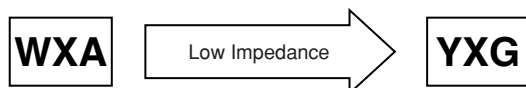


WXA SERIES

105°C Miniaturized low profile.

◆ FEATURES

- 9~25mm height.
- RoHS compliance.



◆ SPECIFICATIONS

Items	Characteristics																							
Category Temperature Range	-55~+105℃					-40~+105℃					-25~+105℃													
Rated Voltage Range	6.3~50V.DC					160~250V.DC					350~450V.DC													
Capacitance Tolerance	±20%(20℃, 120Hz)																							
Leakage Current(MAX)	6.3~50V.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)	(20℃, 120Hz)																							
	Rated Voltage (V)	6.3	10	16	25	35	50	160	200	250	350	400	450											
	tan δ	φ8, φ10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	0.20	0.20	0.20	0.25											
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 applying rated voltage with rated ripple current for 2000hrs at 105℃, 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)	(120Hz)																							
	Rated Voltage (V)	6.3	10	16	25	35	50	160	200	250	350	400	450											
	Z(-25℃)/Z(20℃)	4	3	2	2	2	2	3	3	3	6	6	6											
Z(-40℃)/Z(20℃)														8	6	4	4	3	3	—	—	—	—	—

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

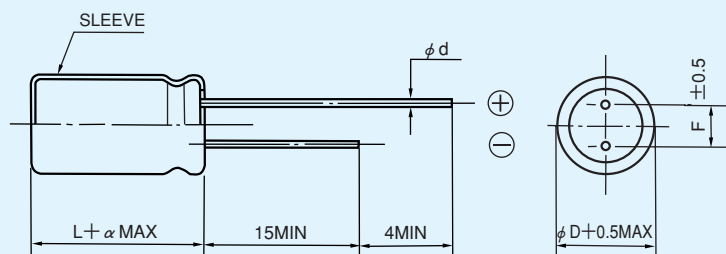
Frequency (Hz)		60(50)	120	500	1k	10k $\leq$
Coefficient	1.5 $\sim$ 6.8 μ F	0.65	1.0	1.20	1.30	1.50
	10 $\sim$ 68 μ F	0.8	1.0	1.20	1.30	1.50
	100 $\sim$ 1000 μ F	0.8	1.0	1.10	1.15	1.20
	2200 $\sim$ 10000 μ F	0.8	1.0	1.05	1.10	1.15

◆PART NUMBER

Rated Voltage	WXA Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	DxL Case Size

◆ DIMENSIONS

(mm)



ϕD	8	10	12.5	16	18
ϕd	0.6			0.8	
F	3.5	5.0		7.5	
α	$L \leq 16 : \alpha = 1.5$ $L \geq 20 : \alpha = 2.0$				

◆STANDARD SIZE, RATED RIPPLE CURRENT

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

Cap(μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
100											8×9	200
150									8×9	250	10×9	300
220							8×9	240	10×9	300		
330					8×9	270	10×9	310	10×9	360		
470	8×9	270	8×9	295	8×9	310	10×9	370			12.5×16	570
680	8×9	300	10×9	350	10×9	370	12.5×16	640	12.5×16	640	16×16	710
1000	10×9	460	10×9	460			12.5×16	670	16×16	850	16×20	890
2200	12.5×16	770	12.5×16	770	16×16	930	16×20	1100	18×20	1200	18×25	1320
3300	16×16	930	16×16	930	16×20	1200	18×20	1200	18×25	1490		
4700	18×16	1000	16×20	1200	18×20	1330	18×25	1490				
6800	16×20	1200	18×20	1330	18×25	1680						
10000	18×20	1430	18×25	1680								

[illegible]