

WXA SERIES

105°C 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 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=Capacitance(μF) V=Rated Voltage(V)																								
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V)												(20℃, 120Hz)												
	6.3	10	16	25	35	50	160	200	250	350	400	450													
	tanδ	φ8, φ10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	0.20	0.20	0.20		0.25											
													φ12.5~φ18	0.26	0.22	0.18	0.16	0.14	0.12	0.20	0.20	0.20	0.20	0.20	0.25
When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.																									
Endurance	After applying rated voltage with rated ripple current for 2000 hours 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)	Rated Voltage (V)												(120Hz)												
	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 (Hz)		60 (50)	120	500	1k	10k≤
Coefficient	1.5~6.8μF	0.65	1.0	1.20	1.30	1.50
	10~68μF	0.8	1.0	1.20	1.30	1.50
	100~1000μF	0.8	1.0	1.10	1.15	1.20
	2200~10000μF	0.8	1.0	1.05	1.10	1.15

◆OPTION

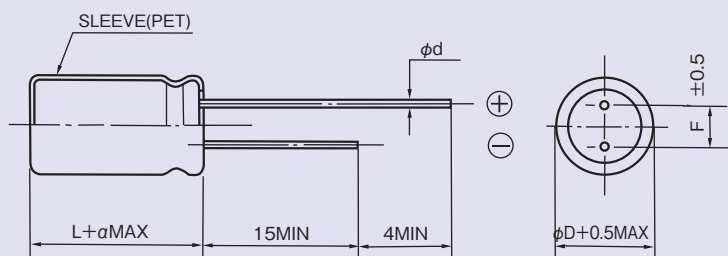
	Code
PET Sleeve	EFC

◆PART NUMBER

Rated Voltage	WXA	Capacitance	M	Option	Lead Forming	Case Size
Series						

◆ DIMENSIONS

(mm)



ϕD	8	10	12.5	16	18
ϕd	0.6			0.8	
F	3.5	5.0		7.5	
α	L≤16 : α =1.5 L≥20 : α =2.0				

◆ **STANDARD SIZE**

Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 120Hz)

V.DC 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]