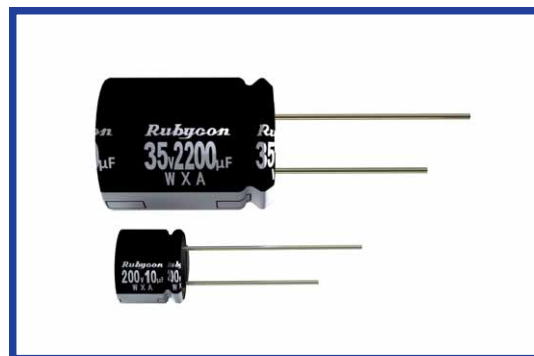


WXA SERIES
105°C 9mm~25mm Height

•Load Life : 105°C 2000 hours.

•AEC-Q200.

 RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics		
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C
Rated Voltage Range	6.3~50Vdc	160~250Vdc	350~450Vdc
Capacitance Tolerance	±20%(20°C, 120Hz)		
Leakage Current(MAX)	6.3~50Vdc		160~450Vdc
	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=0.04CV+100µA (1minute)
	I=0.03CV+15µA (5minutes)		I=0.02CV+25µA (5minutes)
	I=Leakage Current(µA)	C=Capacitance(µF)	V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	6.3	10 16 25 35 50 160 200 250 350 400 450 (20°C, 120Hz)
	tanδ	φ8, φ10	0.30 0.26 0.20 0.18 0.14 0.12 0.20 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°C, 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.	
Low Temperature Stability Impedance Ratio(MAX)	Leakage Current	Not more than the specified value.	
	Rated Voltage (Vdc)	6.3	10 16 25 35 50 160 200 250 350 400 450 (120Hz)
	Z(-25°C)/Z(20°C)	4	3 2 2 2 2 3 3 3 6 6 6
	Z(-40°C)/Z(20°C)	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	1.00	1.20	1.30	1.50
	10~68μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~10000μF	0.80	1.00	1.05	1.10	1.15

◆OPTION

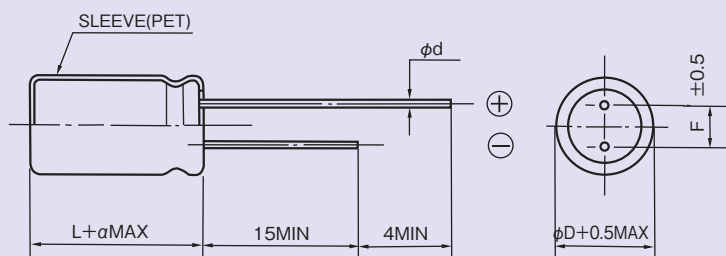
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	WXA	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	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**

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

Vdc Cap(μF)	6.3		10		16		25		35		50	
	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]