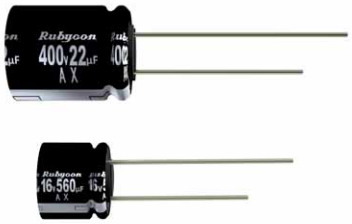
AX SERIES

105℃ Ultra Miniaturized

- Load Life: 105℃, 1000~2000 hours.
- Suitable for AC-adapter of portable device.

RoHS compliance



◆SPECIFICATIONS

Items	Characteristics
Category Temperature Range	−40~+105℃
Rated Voltage Range	6.3~35, 400Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	6.3~35Vdc: I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) 400Vdc: I=0.04CV+100μA (After 1 minute application of rated voltage) I=0.02CV+25μA (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)

Rated Voltage (Vdc)	6.3	8	10	16	25	35	400
tanδ	0.22	0.20	0.19	0.16	0.14	0.12	0.25

Endurance

After applying rated voltage with rated ripple current for specified time 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.

Case Size	Life Time (hrs)
L≦7.5	1000
L≧9	2000

Low Temperature Stability Impedance Ratio(MAX) (120Hz)

Rated Voltage (Vdc)	6.3	8	10	16	25	35	400
Z(−25℃)/Z(20℃)	2	2	2	2	2	2	6
Z(−40℃)/Z(20℃)	12	12	12	10	8	6	10

◆MULTIPLIER FOR RIPPLE CURRENT

6.3~35Vdc

Frequency(Hz)		120	1k	10k	100k≦
Coefficient	68~82uF	0.21	0.73	0.92	1.00
	150~270uF	0.36	0.73	0.92	1.00
	330~750uF	0.55	0.77	0.94	1.00
	820~1200uF	0.60	0.80	0.96	1.00

400Vdc

Frequency(Hz)		60(50)	120	500	1k	10k≦
Coefficient	4.7~8.2μF	0.65	1.00	1.20	1.30	1.50
	10~24μF	0.80	1.00	1.20	1.30	1.50

◆OPTION

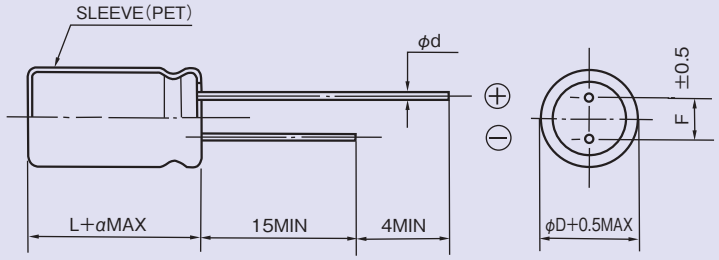
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ Rated Voltage | AX Series | □□□ Capacitance | M Capacitance Tolerance | □□□ Option | □□ Lead Forming | D×L Case Size

◆DIMENSIONS

(mm)



〈L≦7.5〉

φD	5	6.3	8
φd	0.45		
F	2.0	2.5	3.5
α	1.0		

〈L≧9〉

φD	5	6.3	8	10	12.5
φd	0.5		0.6		
F	2.0	2.5	3.5	5.0	
α	6.3～35Vdc:α=1.5 400Vdc:L≦10.8:α=1.5 L≧12.5:α=2.0				

◆STANDARD SIZE

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,100kHz)	Impedance (Ω MAX/20℃,100kHz)
6.3	82	5×7	510	0.25
	220	5×11	800	0.14
		6.3×7	720	0.13
	470	6.3×11	1140	0.067
		8×7.5	1080	0.065
	680	8×9	1360	0.049
	820	8×10.8	1600	0.042
	1000	8×16	2010	0.027
		10×9	1540	0.036
	1200	10×12.5	1970	0.025
8	75	5×7	510	0.25
	200	5×11	800	0.14
		6.3×7	720	0.13
	390	8×7.5	1080	0.065
	430	6.3×11	1140	0.067
	620	8×9	1360	0.049
	750	8×10.8	1600	0.042
	910	8×16	2010	0.027
		10×9	1540	0.036
	1100	10×12.5	1970	0.025
10	68	5×7	510	0.25
	180	5×11	800	0.14
		6.3×7	720	0.13
	330	8×7.5	1080	0.065
	390	6.3×11	1140	0.067
	560	8×9	1360	0.049
	680	8×10.8	1600	0.042
	820	8×16	2010	0.027
		10×9	1540	0.036
	1000	10×12.5	1970	0.025

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,100kHz)	Impedance (Ω MAX/20℃,100kHz)
16	390	8×9	1360	0.049
	470	8×10.8	1600	0.042
	560	8×16	2010	0.027
		10×9	1540	0.036
	680	10×12.5	1970	0.025
	1000	10×16	2480	0.019
25	220	8×9	1360	0.049
	270	8×10.8	1600	0.042
	390	8×16	2010	0.027
		10×9	1540	0.036
	470	10×12.5	1970	0.025
	680	10×16	2480	0.019
35	150	8×9	1360	0.049
	180	8×10.8	1600	0.042
	220	8×16	2010	0.027
		10×9	1540	0.036
	270	10×12.5	1970	0.025
	390	10×16	2480	0.019

Rated Voltage (Vdc)	Capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105℃,120Hz)
400	4.7	6.3×14	50
		8×9	
	6.8	8×10.8	70
	7.5	8×10.8	75
	8.2	8×16	85
		10×9	
	10	8×16	90
		10×12.5	100
	12	8×20	120
		10×12.5	110
	15	8×20	130
		10×16	150
	18	10×16	150
	22	12.5×16	180
	24	12.5×16	190