

AX SERIES

◆FEATURES

- Miniaturized for AC-adaptor of portable device.
- Load Life: 105°C, 1000-2000hours.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics																			
Category Temperature Range	-40~+105℃																			
Rated Voltage Range	6.3~10、400V.DC																			
Capacitance Tolerance	±20% (20℃,120Hz)																			
Leakage Current(MAX)	6.3~10V.DC		400V.DC																	
	I=0.01CV or 3μA whichever is greater. (After 2 minnutes application of rated voltage)		I=0.04CV+100μA (After 1 minites applcation of rated voltage) I=0.02CV+25μA (After 5 minites applcation of rated voltage)																	
	I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)																			
Dissipation Factor(MAX) (tanδ)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>8</td><td>10</td><td>400</td></tr><tr><td>tanδ</td><td>0.22</td><td>0.20</td><td>0.19</td><td>0.25</td></tr></table>	Rated Voltage (V)	6.3	8	10	400	tanδ	0.22	0.20	0.19	0.25	(20℃,120Hz)								
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Endurance	After life test with rated ripple current at conditions stated in the table below at 105℃, the capacitors shall meet the following requirements.				<table><tr><td>Case Size</td><td>Life Time (hrs)</td></tr><tr><td>L≤7.5</td><td>1000</td></tr><tr><td>L≥9</td><td>2000</td></tr></table>	Case Size	Life Time (hrs)	L≤7.5	1000	L≥9	2000									
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L≤7.5	1000																			
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>8</td><td>10</td><td>400</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>2</td><td>2</td><td>2</td><td>6</td></tr><tr><td>Z(-40℃)/Z(20℃)</td><td>12</td><td>12</td><td>12</td><td>10</td></tr></table>	Rated Voltage (V)	6.3	8	10	400	Z(-25℃)/Z(20℃)	2	2	2	6	Z(-40℃)/Z(20℃)	12	12	12	10	(120Hz)			
Rated Voltage (V)	6.3	8	10	400																
Z(-25℃)/Z(20℃)	2	2	2	6																
Z(-40℃)/Z(20℃)	12	12	12	10																

◆MULTIPLIER FOR RIPPLE CURRENT

6.3~10WV

Frequency (Hz)		120	1k	10k	100k≤
Coefficient	68~300μF	0.50	0.73	0.92	1.00
	330~750μF	0.55	0.77	0.94	1.00
	820~1200μF	0.60	0.80	0.96	1.00

400WV

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	4.7~8.2μF	0.65	1.00	1.20	1.30	1.50
	10~15μF	0.80	1.00	1.20	1.30	1.50

◆OPTION

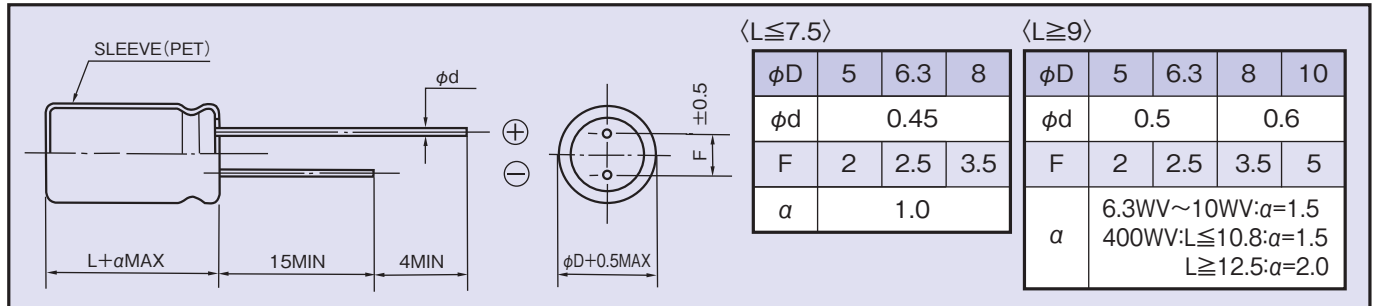
	Code
PET Sleeve	EFC

◆PART NUMBER

	AX		M			DxL
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

◆ DIMENSIONS

(mm)



◆ STANDARD SIZE

Rated Voltage (V·DC)	capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C,100kHz)	Impedance (Ω MAX) 20°C,100kHz
6.3 (0J)	82	5×7	510	0.25
	220	6.3×7	720	0.13
	220	5×11	800	0.14
	330	6.3×9	970	0.083
	470	6.3×9	970	0.083
	470	8×7.5	1080	0.065
	470	6.3×11	1140	0.067
	560	6.3×15	1370	0.054
	680	8×9	1360	0.049
	820	8×10.8	1600	0.042
	1000	8×16	2010	0.027
	1000	10×9	1540	0.036
	1200	10×12.5	1970	0.025
8 (0K)	75	5×7	510	0.25
	200	6.3×7	720	0.13
	200	5×11	800	0.14
	300	6.3×9	970	0.083
	390	8×7.5	1080	0.065
	430	6.3×11	1140	0.067
	510	6.3×15	1370	0.054
	620	8×9	1360	0.049
	750	8×10.8	1600	0.042
	910	8×16	2010	0.027
	910	10×9	1540	0.036
	1100	10×12.5	1970	0.025
10 (1A)	68	5×7	510	0.25
	180	6.3×7	720	0.13
	180	5×11	800	0.14
	270	6.3×9	970	0.083
	330	8×7.5	1080	0.065
	390	6.3×11	1140	0.067
	470	6.3×15	1370	0.054
	560	8×9	1360	0.049
	680	8×10.8	1600	0.042
	820	8×16	2010	0.027
	820	10×9	1540	0.036
	1000	10×12.5	1970	0.025

Rated Voltage (V·DC)	capacitance (μF)	Size φD×L(mm)	Rated ripple current (mA r.m.s./105°C,120Hz)
400 (2G)	4.7	8×9	50
	6.8	8×10.8	70
	8.2	8×16	85
	8.2	10×9	85
	10	10×12.5	100
	12	8×20	120
	15	10×16	150