

KXW SERIES
105°C Miniaturized
◆FEATURES

- Load Life : 105°C 2000 hours.
- Body diameter of $\phi 10\text{mm}$ to $\phi 18\text{mm}$ with high ripple current capability.
- For switching adapter.
- RoHS compliance.


◆SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-25~+105℃											
Rated Voltage Range	200, 400, 420, 450V.DC											
Capacitance Tolerance	±20%(20℃,120Hz)											
Leakage Current(MAX)	I=3√CV (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(V)											
Dissipation Factor(MAX) (tanδ)	<table border="1"><tr><td>Rated Voltage (V)</td><td>200</td><td>400</td><td>420~450</td></tr><tr><td>tanδ</td><td>0.12</td><td>0.15</td><td>0.20</td></tr></table> (20℃,120Hz)				Rated Voltage (V)	200	400	420~450	tanδ	0.12	0.15	0.20
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Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105℃, the capacitors shall meet the following requirements. <table border="1"><tr><td>Capacitance Change</td><td>Within ±20% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>				Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.		
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Low Temperature Stability Impedance Ratio(MAX)	<table border="1"><tr><td>Rated Voltage (V)</td><td>200</td><td>400~450</td></tr><tr><td>Z(-25℃)/Z(20℃)</td><td>3</td><td>8</td></tr></table> (120Hz)				Rated Voltage (V)	200	400~450	Z(-25℃)/Z(20℃)	3	8		
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Z(-25℃)/Z(20℃)	3	8										

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	200WV	0.8	1.0	1.20	1.30	1.40
	400~450WV	0.8	1.0	1.25	1.40	1.50

◆OPTION

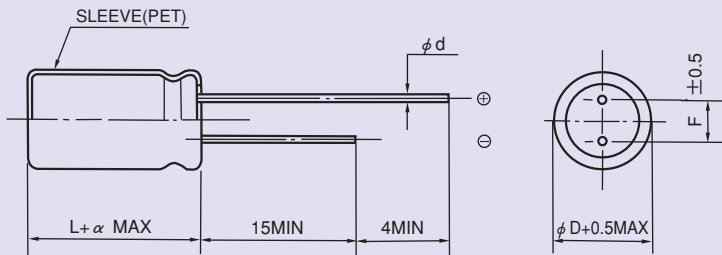
	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆DIMENSIONS

(mm)



ϕ D	10	12.5	14.5	16	18
ϕ d	0.6		0.8		
F	5.0		7.5		
α	2.0				

◆STANDARD SIZE

Rated Voltage (V.DC)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)
200	82	10×30	0.40
	100	10×35	0.46
	120	10×40	0.53
	150	12.5×30	0.62
	180	12.5×35	0.70
	220	12.5×40	0.80
	220	14.5×30	0.80
	270	14.5×35	0.87
	270	16×30	0.87
	330	16×35	1.01
	330	18×30	1.01
	390	16×40	1.13
	390	18×35	1.13
	470	18×40	1.27
	560	18×45	1.39
400	27	10×30	0.24
	33	10×35	0.28
	39	10×40	0.32
	47	12.5×30	0.37
	56	12.5×35	0.42
	68	12.5×40	0.48
	68	14.5×30	0.48
	82	14.5×35	0.52
	100	14.5×40	0.58
	100	16×30	0.58
	120	16×35	0.67
	120	18×30	0.67
	150	16×40	0.77
	150	18×35	0.77
	180	18×40	0.88
	220	18×45	1.00

Rated Voltage (V.DC)	Capacitance (μF)	Size $\phi D \times L$ (mm)	Rated Ripple Current (A r.m.s.105°C,120Hz)
420	22	10×30	0.20
	27	10×35	0.23
	33	10×40	0.27
	39	12.5×30	0.31
	47	12.5×35	0.36
	56	12.5×40	0.43
	56	14.5×30	0.43
	68	14.5×35	0.51
	68	16×30	0.51
	82	14.5×40	0.57
	82	16×35	0.57
	100	16×40	0.61
	100	18×30	0.61
	120	18×35	0.66
	150	18×40	0.71
450	18	10×30	0.18
	22	10×35	0.21
	27	10×40	0.25
	33	12.5×30	0.28
	39	12.5×35	0.32
	47	12.5×40	0.38
	47	14.5×30	0.38
	56	14.5×35	0.44
	56	16×30	0.44
	68	14.5×40	0.49
	68	16×35	0.49
	82	16×40	0.55
	82	18×30	0.55
	100	18×35	0.65
	120	18×40	0.74
	150	18×45	0.80