

KXW SERIES

105°C 2000 hours, Miniaturized

RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics									
Category Temperature Range	−25~+105°C									
Rated Voltage Range	200~450Vdc									
Capacitance Tolerance	±20%(20°C,120Hz)									
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)									
Dissipation Factor(MAX) (tanδ)	Rated Voltage (Vdc)	200	400	420~450						
	tanδ	0.12	0.15	0.20						
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1" style="margin-left: 20px;"> <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.
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.									
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)	200	400~450	(120Hz)						
	Z(−25°C)/Z(20°C)	3	8							

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)	60(50)	120	500	1k	10k≤
Coefficient	200Vdc	0.80	1.00	1.20	1.30
	400~450Vdc	0.80	1.00	1.25	1.40

◆OPTION

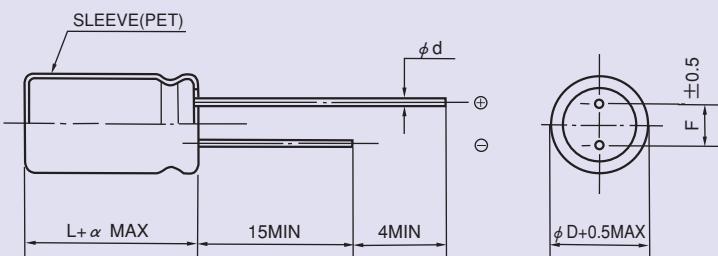
	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ KXW □□□□□□ M □□□ □□ D×L
 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 (Vdc)	Capacitance (μF)	Size φD×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 (Vdc)	Capacitance (μF)	Size φD×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

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