

Surface Mount Aluminum Electrolytic Capacitors

CK Series

DIMENSIONS Unit:mm

ΦDxL	4x5.4	5x5.4	6.3x5.4	6.3x7.7	8x10.5	10x10.5	10x13.5	12.5x13.5	12.5x16	16x16.5
A	1.8	2.1	2.4	2.4	2.9	3.2	3.2	4.7	4.7	5.5
B	4.3	5.3	6.6	6.6	8.3	10.3	10.3	13.0	13.0	17.0
C	4.3	5.3	6.6	6.6	8.3	10.3	10.3	13.0	13.0	17.0
E±0.2	1.0	1.3	2.2	2.2	3.1	4.4	4.4	4.4	4.4	6.7
L	5.4	5.4	5.4	7.7	10.5	10.5	13.5	13.5	16.0	16.5

FREQUENCY COEFFICIENT OF ALLOWABLE RIPPLE CURRENT

Frequency		50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	4 ~ 10Φ	0.1 ~ 68μF	0.70	1.00	1.17	1.36
		100 ~ 3300μF	0.85	1.00	1.08	1.20
	12.5 ~ 16Φ	~ 68μF	0.75	1.00	1.35	1.57
		100 ~ 680μF	0.80	1.00	1.23	1.34
		1000 ~ 6800μF	0.85	1.00	1.10	1.13
						1.15

STANDARD RATINGS

WV(vdc) Parameter Cap.(μF)	4		6.3		10		16		25	
	ΦDxL mm	Ripple Current mArms	ΦDxL mm	Ripple Current mArms	ΦDxL mm	Ripple Current mArms	ΦDxL mm	Ripple Current mArms	ΦDxL mm	Ripple Current mArms
		105 120Hz		105 120Hz		105 120Hz		105 120Hz		105 120Hz
4.7									4x5.4	13
10							4x5.4	18	4x5.4	14
									5x5.4	20
22			4x5.4	22	4x5.4	20	4x5.4	20	5x5.4	25
					5x5.4	25	5x5.4	27	6.3x5.4	36
33	4x5.4	18	4x5.4	22	4x5.4	22	5x5.4	28	5x5.4	29
	5x5.4	30	5x5.4	27	5x5.4	30	6.3x5.4	40	6.3x5.4	44
47	4x5.4	24	4x5.4	25	5x5.4	30	5x5.4	31	6.3x5.4	48
	5x5.4	36	5x5.4	33	6.3x5.4	41	6.3x5.4	48		
100	5x5.4	43	5x5.4	39	6.3x5.4	53	6.3x5.4	60	6.3x7.7	91
	6.3x5.4	60	6.3x5.4	50						
150	6.3x5.4	52	6.3x5.4	55	6.3x5.4	62	6.3x7.7	95	6.3x7.7	100
			6.3x7.7	105					8x10.5	140
220	6.3x5.4	57	6.3x5.4	67	6.3x7.7	105	6.3x7.7	105	8x10.5	175
			6.3x7.7	105						
330	6.3x7.7	100	6.3x7.7	105	8x10.5	196	8x10.5	195	8x10.5	220
									10x10.5	240
470	6.3x7.7	105	6.3x7.7	120	8x10.5	210	8x10.5	230	10x10.5	280
			8x10.5	210						
680	8x10.5	210	8x10.5	210	10x10.5	270	10x10.5	315	10x13.5	400
1000	8x10.5	230	10x10.5	300	10x10.5	315	10x10.5	340	12.5x13.5	580
			10x13.5	390			10x13.5	390		
			12.5x13.5	500			12.5x13.5	500		
1500	10x10.5	315	10x10.5	315	10x13.5	460	12.5x13.5	550	12.5x16	850
			10x13.5	450						
2200	10x10.5	340	10x13.5	500	12.5x13.5	680	12.5x16	750	16x16.5	1050
	10x13.5	440	12.5x13.5	620			16x16.5	950		
3300	10x13.5	490	12.5x13.5	660	16x16.5	1000				
			12.5x16	700						
4700	12.5x13.5	600	16x16.5	1000						
	12.5x16	650								
6800	16x16.5	950								

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STANDARD RATINGS

WV(vdc) Parameter Cap.(µF)	35		50		63		100	
	ΦDxL mm	Ripple Current mArms 105 120Hz	ΦDxL mm	Ripple Current mArms 105 120Hz	ΦDxL mm	Ripple Current mArms 105 120Hz	ΦDxL mm	Ripple Current mArms 105 120Hz
0.1			4x5.4	0.7	4x5.4	0.7		
0.22			4x5.4	1.6	4x5.4	1.6		
0.33			4x5.4	2.5	4x5.4	2.5		
0.47			4x5.4	3.5	4x5.4	3.5		
1			4x5.4	7	4x5.4	7	4x5.4	7
2.2			4x5.4	11	4x5.4	11	6.3x5.4	14
3.3	4x5.4	13	4x5.4	13	5x5.4	13	6.3x5.4	20
							6.3x7.7	32
4.7	4x5.4	14	4x5.4	13	5x5.4	16	6.3x5.4	21
			5x5.4	16			6.3x7.7	35
10	4x5.4	14	6.3x5.4	24	6.3x5.4	24	6.3x7.7	35
	5x5.4	21			6.3x7.7	39	8x10.5	77
22	6.3x5.4	38	6.3x5.4	42	6.3x7.7	49	8x10.5	84
			6.3x7.7	51	8x10.5	98	10x10.5	126
33	6.3x5.4	42	6.3x7.7	60	8x10.5	112	10x10.5	133
47	6.3x5.4	50	6.3x7.7	63	8x10.5	119	10x10.5	140
	6.3x7.7	70	8x10.5	120	10x10.5	160	10x13.5	160
68							12.5x13.5	250
							10x13.5	180
100	6.3x7.7	84	8x10.5	140	10x10.5	196	12.5x13.5	300
	8x10.5	120	10x10.5	170	10x13.5	210	16x16.5	450
					12.5x13.5	270		
150	8x10.5	155	10x10.5	170	10x13.5	225		
220	8x10.5	190	10x10.5	220	10x13.5	235	16x16.5	550
	10x10.5	220	10x13.5	280	12.5x13.5	470		
16x16.5					560			
330	10x10.5	245	10x13.5	295	12.5x16	510		
			12.5x13.5	420	16x16.5	700		
			16x16.5	600				
470	10x10.5	280	12.5x16	520	16x16.5	750		
	10x13.5	375	16x16.5	700				
	12.5x13.5	520						
680	10x13.5	395	16x16.5	750				
	12.5x13.5	530						
1000	12.5x16	600						
	16x16.5	750						