



CAHC SERIES: Surface Mount | SMD E-CAP Ultra Low ESR (Impedance)



FEATURES

- ◆ 105°C, 2000 ~ 5000 hours assured
- ◆ Ultra Low Impedance Capacitors
- ◆ RoHS Compliant

SPECIFICATIONS

Items	Performance											
Operating Temperature Range	6.3 ~ 63V								80 ~ 100V			
	-55℃ ~ +105℃								-40℃ ~ +105℃			
Capacitance Tolerance	±20%											
Leakage Current (at 20℃)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes)											

Figure 1

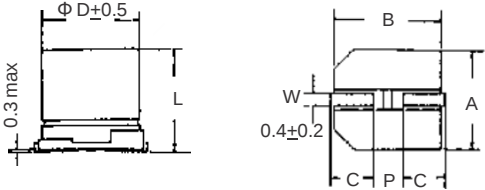
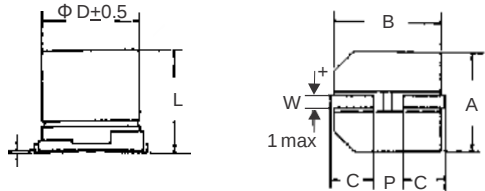


Figure 2



PAD SPACING AND DIAMETER

ΦD	L	A ±0.2	B ±0.2	C ±0.2	W	P ±0.2	Fig. No.
4	5.7 ± 0.3	4.3	4.3	2.0	0.5 to 0.8	1.0	1
5	5.7 ± 0.3	5.3	5.3	2.3	0.5 to 0.8	1.5	1
6.3	5.7 ± 0.3	6.3	6.3	2.7	0.5 to 0.8	2.0	1
6.3	7.7 ± 0.3	6.6	6.6	2.7	0.5 to 0.8	2.0	1
8	10 ± 0.5	8.4	8.4	3.0	0.7 to 1.1	3.1	1
10	10 ± 0.5	10.4	10.4	3.3	0.7 to 1.1	4.7	1
12.5	13.5 ± 0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
12.5	16 ± 0.5	12.8	12.8	4.9	1.1 to 1.4	4.2	2
16	16.5 ± 0.5	16.3	16.3	5.8	1.8 to 2.2	6.0	2

PART NUMBER EXAMPLE

CAHC 107 M 1V T 080 100

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DIMENSION, IMPEDANCE & PERMISSIBLE RIPPLE CURRENT

Dimension : $\varnothing D \times L$ (mm)
Ripple Current mA/rms at 100KHz, 105°C
Impedance : at 100KHz, 20°C

V.DC		6.3V (0J)			10V (1A)			16V (1C)			25V (1E)			35V (1V)		
μF	Contents	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.
4.7	475													4 x 5.7	80	1.35
10	106							4 x 5.7	80	1.35	4 x 5.7	80	1.35	5 x 5.7	150	0.80
22	226	4 x 5.7	80	1.35	4 x 5.7	80	1.35	5 x 5.7	150	0.80	5 x 5.7	150	0.80	6.3 x 5.7	230	0.44
33	336	4 x 5.7	80	1.35	5 x 5.7	150	0.80	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44
47	476	5 x 5.7	150	0.80	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44
100	107	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 7.7	280	0.36	8 x 10	450	0.17
150	157	6.3 x 5.7	230	0.44	6.3 x 5.7	230	0.44	6.3 x 7.7	280	0.36	8 x 10	450	0.17	8 x 10	450	0.17
220	227	6.3 x 7.7	280	0.36	6.3 x 7.7	280	0.36	6.3 x 7.7	280	0.36	8 x 10	450	0.17	10 x 10	670	0.09
330	337	8 x 10	450	0.17	8 x 10	450	0.17	8 x 10	450	0.17	8 x 10	450	0.17	12.5 x 13.5	820	0.07
470	477	8 x 10	450	0.17	8 x 10	450	0.17	8 x 10	450	0.17	10 x 10	670	0.09	12.5 x 16	950	0.06
680	687	8 x 10	450	0.17	10 x 10	670	0.09	10 x 10	670	0.09	12.5 x 13.5	820	0.07	12.5 x 16	950	0.06
1,000	108	8 x 10	450	0.17	10 x 10	670	0.09	12.5 x 13.5	820	0.07	12.5 x 16	950	0.06	16 x 16.5	1,260	0.054
1,500	158	10 x 10	670	0.09	13 x 13.5	820	0.07	12.5 x 16	950	0.06	16 x 16.5	1,260	0.054			
2,200	228	12.5 x 14	820	0.07	13 x 16	950	0.06	16 x 16.5	1,260	0.054	16 x 16.5	1,260	0.054			
3,300	338	12.5 x 16	950	0.06	16 x 16.5	1,260	0.054	16 x 16.5	1,260	0.054						
4,700	478	16 x 17	1,260	0.054	16 x 16.5	1,260	0.054									

V.DC		50V (1H)			63V (1J)			80V (1K)			100V (2A)		
μF	Contents	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.	$\varnothing D \times L$	mA	Imp.
1	105	4 x 5.7	60	2.9									
2.2	225	4 x 5.7	60	2.9									
3.3	335	4 x 5.7	60	2.9									
4.7	475	5 x 5.7	85	1.52	5 x 5.7	85	1.52						
10	106	6.3 x 5.7	165	0.88	6.3 x 5.7	165	0.88						
22	226	6.3 x 5.7	165	0.88	6.3 x 7.7	185	0.68						
33	336	6.3 x 7.7	185	0.68	8 x 10	369	0.34						
47	476	6.3 x 7.7	185	0.68	8 x 10	369	0.34				10 x 10	200	0.7
68	686	8 x 10	369	0.34	10 x 10	553	0.18	10 x 10	200	0.7	12.5 x 13.5	450	0.32
100	107	8 x 10	369	0.34	10 x 10	553	0.18	12.5 x 13.5	450	0.32	12.5 x 16	550	0.26
150	157	10 x 10	553	0.18	12.5 x 13.5	650	0.12	12.5 x 13.5	450	0.32	16 x 16.5	650	0.17
220	227	10 x 10	553	0.18	12.5 x 13.5	650	0.12	12.5 x 16	550	0.26			
330	337	12.5 x 13.5	650	0.12	16 x 16.5	900	0.082	16 x 16.5	650	0.17			
470	477	16 x 16.5	900	0.082	16 x 16.5	900	0.082						
680	687	16 x 16.5	900	0.082									