Aluminum Electrolytic Type / Surface Mount Type **RoHS compliance**

CE-PC Series

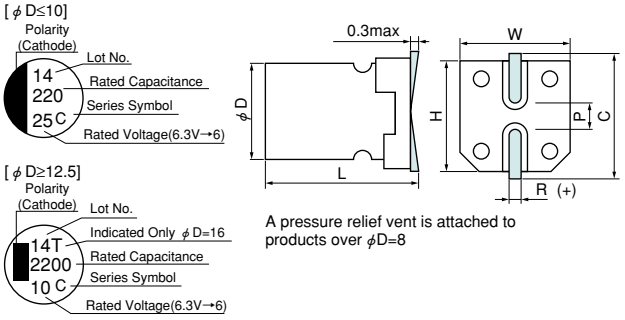
125℃ Long Life

- 125℃, 1,000 to 2,000hrs.
- Solvent proof (within 2 minutes)

■ Specifications

Items	Condition		Specifications							
Rated voltage (V)	–		6.3	10	16	25	35	50	63	100
Surge voltage (V)	Room temperature		8.0	13	20	32	44	63	79	125
Category temperature range (℃)	–		−55 to +125							
Capacitance tolerance (%)	120Hz/20℃		M : ±20							
Dissipation Factor (tanδ)	120Hz/20℃		0.30	0.24	0.20	0.16	0.14	0.14	0.12	0.10
			When rated capacitance exceeds 1,000μF, add 0.02 to the value above for each 1,000μF increase.							
Leakage current (LC)	μA/after 2minutes (max)		The greater value of either 0.01CV or 3							
Impedance ratio at low temperature	Based the value at 120Hz, +20℃	−25℃ Z/Z20℃	4	3	2	2	2	2	2	2
		−40℃ Z/Z20℃	8	6	4	3	3	3	3	3
Endurance	125℃ rated voltage applied (With the rated ripple current)	Test	6.3 to 50V 2,000hrs. (φD=6.3 : 1,000hrs.), 63 to 100V 1,500hrs.							
		△C/C	Within ±30% of the initial value							
		tanδ	≤ 3 times the initial specified value							
		LC	≤ The initial specified value							

■ Marking, Dimensions



A pressure relief vent is attached to products over φD=8

(Unit : mm)

D+0.5max	L±0.3	W±0.2	H±0.2	C±0.2	R	P±0.2
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	10.3	10.3	11.0	1.0 to 1.4	4.6
12.5	13.5±0.5	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0

■ Size List, ESR, Rated Ripple Current

μF \ V	6.3			10			16			25		
33										6.3×6.0	1.6	70
47				6.3×6.0	1.6	70	6.3×6.0	1.6	70	6.3×7.7	0.90	110
100							6.3×7.7 ★	0.90	110	6.3×7.7 ★	0.90	110
	6.3×6.0	1.6	70	6.3×7.7	0.90	110	8×10.2	0.40	160	8×10.2	0.40	160
220				6.3×7.7 ★	0.90	110				8×10.2 ★	0.40	160
	6.3×7.7	0.90	110	8×10.2	0.40	160	8×10.2	0.40	160	10×10.2	0.30	220
330										10×10.2 ★	0.30	220
	8×10.2	0.40	160	8×10.2	0.40	160	10×10.2	0.30	220	12.5×13.5	0.12	550
470	8×10.2	0.40	160	10×10.2	0.30	220	12.5×13.5	0.12	550	12.5×13.5	0.12	550
680	10×10.2	0.30	220	12.5×13.5	0.12	550	12.5×13.5	0.12	550	12.5×13.5	0.12	550
1000	12.5×13.5	0.12	550	12.5×13.5	0.12	550	12.5×13.5	0.12	550	16×16.5	0.080	900
1500	12.5×13.5	0.12	550	12.5×13.5	0.12	550	16×16.5	0.080	900	16×16.5	0.080	900
2200	12.5×13.5	0.12	550	16×16.5	0.080	900	16×16.5	0.080	900			
3300	16×16.5	0.080	900	16×16.5	0.080	900						
4700	16×16.5	0.080	900									

μF \ V	35			50			63			100		
1.0				6.3×6.0	3.5	45						
2.2				6.3×6.0	3.5	45						
3.3				6.3×6.0	3.5	45						
4.7	6.3×6.0	2.0	60	6.3×6.0	3.5	45						
10	6.3×6.0	1.6	70	6.3×6.0	2.8	50				8×10.2	1.0	70
22	6.3×6.0	1.6	70	6.3×7.7	2.0	80	8×10.2	1.0	100	8×10.2	1.0	70
33				6.3×7.7 ★	2.0	80						
	6.3×7.7	0.90	110	8×10.2	0.70	140	8×10.2	1.0	100	10×10.2	0.80	115
47	6.3×7.7 ★	0.90	110	8×10.2 ★	0.70	140	8×10.2 ★	1.0	100			
	8×10.2	0.40	160	10×10.2	0.50	240	10×10.2	0.50	150	12.5×13.5	0.33	350
100	8×10.2 ★	0.40	160	10×10.2 ★	0.50	240	10×10.2 ★	0.50	150			
	10×10.2	0.30	220	12.5×13.5	0.23	490	12.5×13.5	0.25	350	16×16.5	0.24	500
220	10×10.2 ★	0.30	220				12.5×13.5 ★	0.25	350			
	12.5×13.5	0.12	550	12.5×13.5	0.23	490	16×16.5	0.18	500			
330				12.5×13.5 ★	0.23	490						
	12.5×13.5	0.12	550	16×16.5	0.15	800	16×16.5	0.18	500			
470	12.5×13.5 ★	0.12	550									
	16×16.5	0.080	900	16×16.5	0.15	800	16×16.5	0.18	500			
680	16×16.5	0.080	900	16×16.5	0.15	800						
1000	16×16.5	0.080	900									

Please refer to page 15 for the ripple current frequency coefficient.

★ PCS series

Case size:φDxL(mm)
16×16.5:CE-PCT

ESR(Ω)
max at 100kHz, 20℃

Rated ripple current
mArms(100kHz, 125℃)

■ Model No.