

# CE-PC Series

125°C

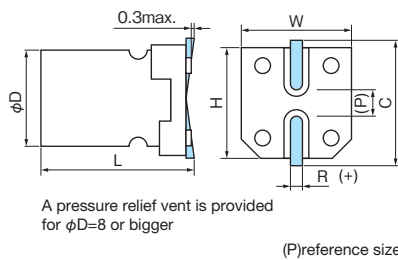
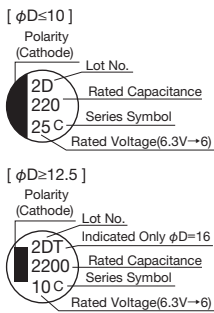


- 125°C 1,000 to 2,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

## 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 (°C)	—	-55 to +125									
Capacitance tolerance (%)	120Hz/20°C	M : ±20									
Dissipation Factor(tan δ)	tanδ(max.)120Hz/20°C	0.30	0.24	0.20	0.16	0.14	0.14	0.12	0.10		
Leakage current(LC)	μA/after 2minutes (max.), 20°C	Exceeding 1,000μF, +0.02 every 1,000μF									
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	4	3	2	2	2	2	2	2	
		-40°C Z/Z <sub>20°C</sub>	8	6	4	3	3	3	3	3	
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	6.3 to 50V 2,000hours. (φD=6.3 : 1,000hours.), 63 to 100V 1,500hours								
		ΔC/C	Within ±30% of the initial value								
		tanδ	Less than 300% of the specified value								
		LC	Less than the specified value								

## Marking, Dimensions



(Unit : mm)

D <sup>±0.5</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P
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 <sup>±0.5</sup>	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5 <sup>±0.5</sup>	16.3	16.3	17.3	1.7 to 2.1	7.0

■ Size, ESR, Rated Ripple Current

$\mu F$ \ V	6.3			10			16			25		
33										6.3x6.0	1.6	70
47				6.3x6.0	1.6	70	6.3x6.0	1.6	70	6.3x7.7	0.90	110
100							6.3x7.7 ★	0.90	110	6.3x7.7 ★	0.90	110
	6.3x6.0	1.6	70	6.3x7.7	0.90	110	8x10.2	0.40	160	8x10.2	0.40	160
220				6.3x7.7 ★	0.90	110				8x10.2 ★	0.40	160
	6.3x7.7	0.90	110	8x10.2	0.40	160	8x10.2	0.40	160	10x10.2	0.30	296
330				8x10.2	0.40	160				10x10.2 ★	0.30	296
	8x10.2	0.40	160	8x10.2	0.40	160	10x10.2	0.30	296	12.5x13.5	0.12	550
470	8x10.2	0.40	160	10x10.2	0.30	296	12.5x13.5	0.12	550	12.5x13.5	0.12	550
680	10x10.2	0.30	296	12.5x13.5	0.12	550	12.5x13.5	0.12	550	12.5x13.5	0.12	550
1000	12.5x13.5	0.12	550	12.5x13.5	0.12	550	12.5x13.5	0.12	550	16x16.5	0.080	900
1500	12.5x13.5	0.12	550	12.5x13.5	0.12	550	16x16.5	0.080	900	16x16.5	0.080	900
2200	12.5x13.5	0.12	550	16x16.5	0.080	900	16x16.5	0.080	900			
3300	16x16.5	0.080	900	16x16.5	0.080	900						
4700	16x16.5	0.080	900									

$\mu F$ \ V	35			50			63			100		
2.2				6.3x6.0	3.5	45						
3.3				6.3x6.0	3.5	45						
4.7	6.3x6.0	2.0	60	6.3x6.0	3.5	45						
10	6.3x6.0	1.6	70	6.3x6.0	2.8	50				8x10.2	1.0	70
22	6.3x6.0	1.6	70	6.3x7.7	2.0	80	8x10.2	1.0	100	8x10.2	1.0	70
33				6.3x7.7 ★	2.0	80						
	6.3x7.7	0.90	110	8x10.2	0.70	140	8x10.2	1.0	100	10x10.2	0.80	115
47	6.3x7.7 ★	0.90	110	8x10.2 ★	0.70	140	8x10.2 ★	1.0	100			
	8x10.2	0.40	160	10x10.2	0.50	247	10x10.2	0.50	150	12.5x13.5	0.33	350
100	8x10.2 ★	0.40	160	10x10.2 ★	0.50	247	10x10.2 ★	0.50	150			
	10x10.2	0.30	296	12.5x13.5	0.23	490	12.5x13.5	0.25	350	16x16.5	0.24	500
220	10x10.2 ★	0.30	296				12.5x13.5 ★	0.25	350			
	12.5x13.5	0.12	550	12.5x13.5	0.23	490	16x16.5	0.18	500			
330				12.5x13.5 ★	0.23	490						
	12.5x13.5	0.12	550	16x16.5	0.15	800	16x16.5	0.18	500			
470	12.5x13.5 ★	0.12	550									
	16x16.5	0.080	900	16x16.5	0.15	800	16x16.5	0.18	500			
680	16x16.5	0.080	900	16x16.5	0.15	800						
1000	16x16.5	0.080	900									

Please refer to page 14 for ripple current frequency coefficients.

Case size:  $\phi D \times L$ (mm)  
16x16.5:CE-PCT

Rated ripple current  
mArms(100kHz, 125°C)

ESR( $\Omega$ )  
max. at 100kHz, 20°C

★ PCS

■ Part number

