

CE-PC Series 125°C Long Life



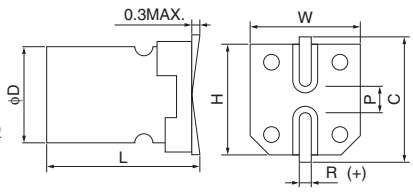
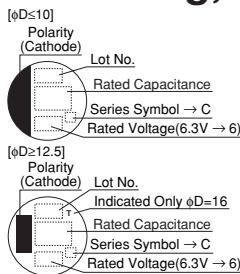
- 125°C, 1000 to 2000hrs. • 63V newly added.
- Solvent proof (within 2 minutes)

Specifications

Items	Specifications							
Rated voltage (V)	6.3	10	16	25	35	50	63	100
Category temperature range (°C)	-40 to +125							
Capacitance tolerance (%)	±20 (120Hz/20°C)							
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)	0.30	0.24	0.20	0.16	0.14	0.14	0.12	0.10
Leakage current (L.C.) (μA/after 2min.) (MAX.)	When rated capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase. The greater value of either 0.01CV or 3							
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-25°C} /Z _{20°C}	4	3	2	2	2	2	2
	Z _{-40°C} /Z _{20°C}	8	6	4	3	3	3	3
Endurance 125°C	Test	6.3 to 50V 2000hrs. (φD=6.3 : 1000hrs.), 6.3 to 100V 1500hrs.						
rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value						
	tanδ	≤ 3 times the initial specified value						
	L.C.	≤ The initial specified value						

Marking, Dimensions

(Unit : mm)



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

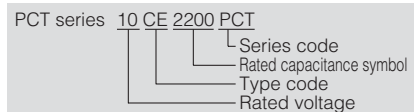
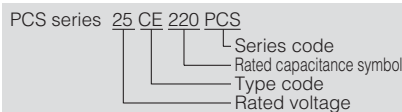
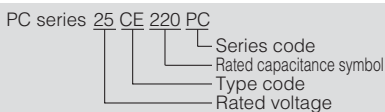
D ^{+0.5MAX.}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
16	16.5 ±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0

Size List, E.S.R., Rated Ripple Current

μF	6.3	10	16	25	35	50	63	100
1.0						6.3 x 6.0 3.5 45		
2.2						6.3 x 6.0 3.5 45		
3.3						6.3 x 6.0 3.5 45		
4.7					6.3 x 6.0 2.0 60	6.3 x 6.0 3.5 45		
10					6.3 x 6.0 1.6 70	6.3 x 6.0 2.8 50		8 x 10.2 1.0 70
22					6.3 x 6.0 1.6 70	6.3 x 7.7 2.0 80	8 x 10.2 1.0 100	8 x 10.2 1.0 70
33				6.3 x 6.0 1.6 70	6.3 x 7.7 0.9 110	6.3 x 7.7 2.0 80 8 x 10.2 0.7 140	8 x 10.2 1.0 100	10 x 10.2 0.80 115
47		6.3 x 6.0 1.6 70	6.3 x 6.0 1.6 70	6.3 x 7.7 0.9 110	6.3 x 7.7 0.9 110 8 x 10.2 0.4 160	8 x 10.2 0.7 140 10 x 10.2 0.5 240	8 x 10.2 1.0 100	12.5 x 13.5 0.33 350
100	6.3 x 6.0 1.6 70	6.3 x 7.7 0.9 110	8 x 10.2 0.4 160	6.3 x 7.7 0.9 110 8 x 10.2 0.4 160	8 x 10.2 0.4 160 10 x 10.2 0.3 220	10 x 10.2 0.5 240 12.5 x 13.5 0.23 490	10 x 10.2 0.50 150	16 x 16.5 0.24 500
220	6.3 x 7.7 0.9 110	6.3 x 7.7 0.9 110 8 x 10.2 0.4 160	8 x 10.2 0.4 160	8 x 10.2 0.4 160	10 x 10.2 0.3 220 12.5 x 13.5 0.12 550	12.5 x 13.5 0.23 490	12.5 x 13.5 0.25 350	
330	8 x 10.2 0.4 160	8 x 10.2 0.4 160	10 x 10.2 0.3 220	10 x 10.2 0.3 220 12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	12.5 x 13.5 0.23 490 16 x 16.5 0.15 800	16 x 16.5 0.18 500	
470	8 x 10.2 0.4 160	10 x 10.2 0.3 220	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550 16 x 16.5 0.08 900	16 x 16.5 0.15 800	16 x 16.5 0.18 500	
680	10 x 10.2 0.3 220	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	16 x 16.5 0.08 900	16 x 16.5 0.15 800		
1000	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	16 x 16.5 0.08 900	16 x 16.5 0.08 900			
1500	12.5 x 13.5 0.12 550	12.5 x 13.5 0.12 550	16 x 16.5 0.08 900	16 x 16.5 0.08 900				
2200	12.5 x 13.5 0.12 550	16 x 16.5 0.08 900	16 x 16.5 0.08 900					
3300	16 x 16.5 0.08 900	16 x 16.5 0.08 900						
4700	16 x 16.5 0.08 900							

Upper: PCS series Case size ; φD x L (mm) E.S.R. (Ω) Rated ripple current
 Lower: PC series 16 x 16.5 ; CE-PCT series MAX. at 100kHz, 20°C mAr.m.s. (100kHz, 125°C)

Model No.



Surface Mount Type