

CE-PC Series

125°C



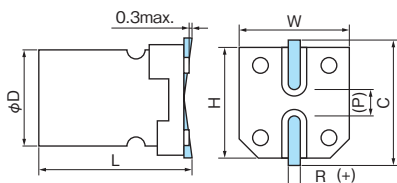
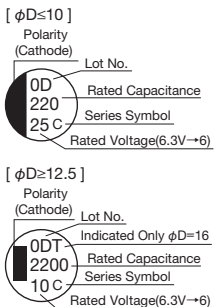
- 125°C 1,000 to 2,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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		
		Exceeding 1,000μF, +0.02 every 1,000μF									
Leakage current (LC)	μA/after 2minutes (max.)	The greater value of either 0.01CV or 3									
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	4	3	2	2	2	2	2	2	2
		-40°C Z/Z _{20°C}	8	6	4	3	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)



(P) preference size

D ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	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 ^{±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	1.7 to 2.1	7.0

■ Size, ESR, Rated Ripple Current

μF	V	6.3			10			16			25		
		Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)
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	296
330											10×10.2 ★	0.30	296
		8×10.2	0.40	160	8×10.2	0.40	160	10×10.2	0.30	296	12.5×13.5	0.12	550
470		8×10.2	0.40	160	10×10.2	0.30	296	12.5×13.5	0.12	550	12.5×13.5	0.12	550
680		10×10.2	0.30	296	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		
		Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)	Case size	ESR (Ω)	Rated ripple current (mA)
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	247	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	247	10×10.2 ★	0.50	150			
		10×10.2	0.30	296	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	296				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 14 for ripple current frequency coefficients.

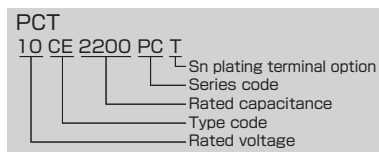
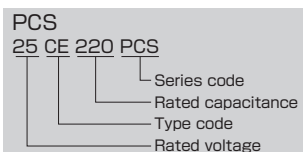
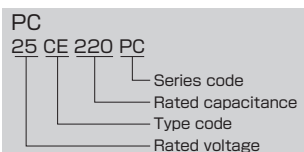
 Case size: φD×L(mm)
16×16.5:CE-PCT

 Rated ripple current
mA_{RMS}(100kHz, 125°C)

 ESR(Ω)
max. at 100kHz, 20°C

★ PCS

■ Part number



- Aluminum Electrolytic Capacitors
- Surface Mount Type
- CE-BD
 - CE-BSS
 - CE-BS
 - CE-LD
 - CE-FSS
 - CE-FS
 - CE-FS(High Voltage)
 - CE-FH
 - CE-AX
 - CE-KX
 - CE-ZX
 - CE-ZC
 - CE-LX
 - CE-GA
 - CE-LS
 - CE-LH
 - CE-LH(High Voltage)
 - CE-LL
 - CE-LF
 - CE-PC
 - CE-PH
 - CE-PS
 - CE-PF
 - CE-TH
 - CE-JX
 - CE-NP
 - CE-FN