

# CE-PS Series

125°C

High Capacitance

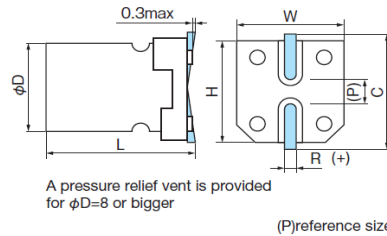
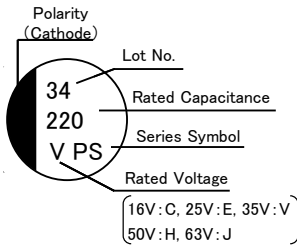
- 125°C 1,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



## Specifications

Items	Condition	Specifications					
Rated voltage (V)	—	16	25	35	50	63	
Surge voltage (V)	Room temperature	20	32	44	63	79	
Category temperature range (°C)	—	-40 to +125					
Capacitance tolerance (%)	120Hz/20°C	M: ±20					
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.20	0.16	0.14	0.14	0.14	
Leakage current (LC)	μ A/after 2 minutes (max.), 20°C	0.01CV					
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z <sub>20°C</sub>	2	2	2	2	2
		-55°C Z/Z <sub>20°C</sub>	4	3	3	3	3
Endurance	125°C rated voltage applied (with the rated ripple current)	Test	φ 6.3 × 6.0: 1,000hours, φ 6.3 × 7.7 to φ 10 × 10.5: 2,000hours, φ 10 × 13.5: 4,000hours				
		Δ C/C	Within ±30% of the initial value				
		tan δ	Less than 300% of the specified value				
		LC	Less than the specified value				

## Marking, Dimensions



(Unit: mm)

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	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	13.5 <sup>±0.5</sup>	10.3	10.3	11.0	1.0 to 1.4	4.6

## Size, ESR, Rated Ripple Current

μ F \ V	16	25	35	50	63							
47			6.3 × 6.0	1.20	110							
68					8 × 10.5	0.50	250					
100	6.3 × 6.0	1.20	110	6.3 × 7.7	0.60	220	8 × 10.5	0.45	250	8 × 10.5	0.50	250
150		6.3 × 7.7	0.60	220			8 × 10.5	0.45	250	10 × 10.5	0.30	350
220					8 × 10.5	0.30	300	10 × 10.5	0.30	350		
270							10 × 10.5	0.30	350			
330		8 × 10.5	0.30	300	10 × 10.5	0.20	500					
390					10 × 13.5 <sup>★</sup>	0.15	710					
470		10 × 10.5	0.20	500	10 × 13.5 <sup>★</sup>	0.15	710					
560		10 × 13.5 <sup>★</sup>	0.15	710	10 × 13.5 <sup>★</sup>	0.15	710					
680		10 × 13.5 <sup>★</sup>	0.15	710								

★PSC

Case size: φ D × L (mm)

ESR (Ω)

max, at 100kHz, 20°C

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

## Part number

