

CE-PS Series

125°C High Capacitance

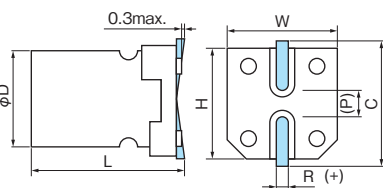
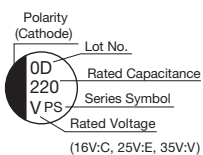


- 125°C 1,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	16	25	35
Surge voltage (V)	Room temperature	20	32	44
Category temperature range (°C)	—	-40 to +125		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.20	0.16	0.14
Leakage current (LC)	μA/after 2minutes (max.)	0.01CV		
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	2	2
		-40°C Z/Z _{20°C}	4	3
		Test	φ6.3×6.0 : 1,000hours, φ6.3×7.7 to φ10×10.5 : 2,000hours, φ10×13.5 : 4,000hours	
		ΔC/C	Within ±30% of the initial value	
Endurance	125°C rated voltage applied (With the rated ripple current)	tanδ	Less than 300% of the specified value	
		LC	Less than the specified value	

Marking, Dimensions



A pressure relief vent is provided for φD=8 or bigger

(P)reference size

(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 ^{±0.5}	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

μF \ V	16			25			35		
47							6.3×6.0	1.20	110
100	6.3×6.0	1.20	110				6.3×7.7	0.60	220
150				6.3×7.7	0.60	220			
220							8×10.5	0.30	300
330				8×10.5	0.30	300	10×10.5	0.20	500
390							10×13.5 ★	0.15	710
470				10×10.5	0.20	500	10×13.5 ★	0.15	710
560				10×13.5 ★	0.15	710			
610				10×13.5 ★	0.15	710			

Please refer to page 14 for ripple current frequency coefficients.

Case size: φD×L (mm)

ESR (Ω)
max. at 100kHz, 20°C

Rated ripple current
mA rms (100kHz, 125°C)

★ PSC

Part number

