

CE-FS Series

105°C Standard

High Voltage



- 160 to 400V, 105°C 1,000 to 2,000hours
- Non solvent proof
- AEC-Q200

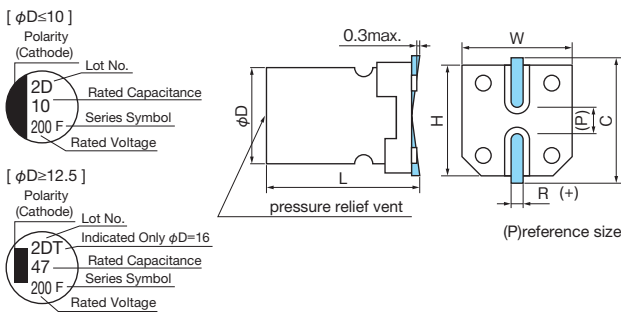
Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	160	200	250	400	
Surge voltage (V)	Room temperature	200	250	300	450	
Category temperature range (°C)	—	-40 to +105				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.20			0.25	
Leakage current (LC)	μA/after 2minutes (max.) (20°C)	CV ≤ 1000	0.03CV + 15			
		CV > 1000	0.02CV + 25			
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	3	3	3	6
		-40°C Z/Z _{20°C}	6	6	6	10
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ8 : 1,000hours, φ10 to φ16 : 2,000hours			
		ΔC/C	Within ±25% of the initial value			
		tanδ	Less than 200% of the specified value			
		LC	Less than the specified value			

 Surface Mount Type
 Aluminum Electrolytic Capacitors

 CE-LD
 CE-FSS
 CE-FS (High Voltage)
 CE-FS
 CE-AX
 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-FN

Marking, Dimensions



(Unit : mm)

D ^{+0.5}	L ^{+0.3}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P
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
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, Rated Ripple Current

μF \ V	160	200	250	400
2.2				8×10.5 25
3.3			8×10.5 31	10×10.5 36
4.7			8×10.5 37	10×10.5 38
6.8			8×10.5 44	12.5×13.5 47
10	8×10.5 57	10×10.5 64	10×10.5 64	12.5×13.5 57
22	12.5×13.5 112	12.5×13.5 112	12.5×13.5 112	16×16.5 115
33	12.5×13.5 137	12.5×13.5 137	16×16.5 150	
47	16×16.5 180	16×16.5 180	16×16.5 180	
68	16×16.5 215	16×16.5 215		
82	16×16.5 235			

Please refer to page 14 for ripple current frequency coefficients.

 Case size: φD×L (mm)
 16×16.5:CE-FST

 Rated ripple current
 mA rms (120Hz, 105°C)

Part number

