

# CE-FS Series

105°C Standard

High Voltage

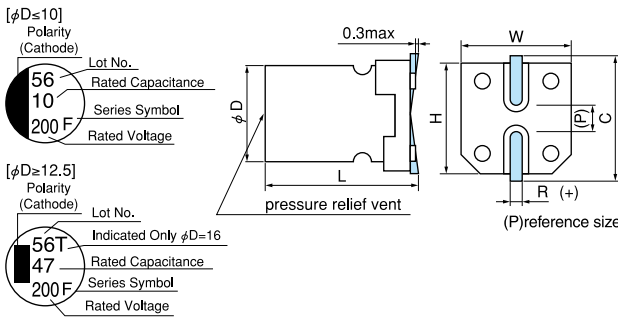


- 160 to 400V, 105°C, 1,000 to 2,000hours
- Non solvent proof

## 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)	tan δ (max) 120Hz/20°C	0.20			0.25	
Leakage current (LC)	μA/after 2minutes (max)	CV ≤ 1,000	0.03CV + 15			
		CV > 1,000	0.02CV + 25			
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	3	3	3	6
		-40°C Z/Z <sub>20°C</sub>	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			
		tan δ	Less than 200% of the specified value			
		LC	Less than the specified value			

## Marking, Dimensions



(Unit : mm)

D <sup>+0.5max</sup>	L <sup>±0.3</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	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 <sup>±0.5</sup>	12.8	12.8	13.5	1.0 to 1.4	4.6
16	16.5 <sup>±0.5</sup>	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 15 for ripple current frequency coefficients.

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

Case size: φDxL (mm)  
16×16.5:CE-FST

## Part number

