

## CE-FS Series

105°C Standard

Mid. and High Voltage

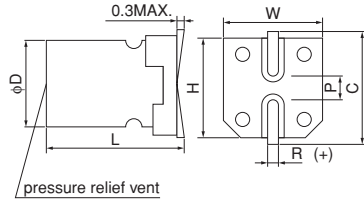
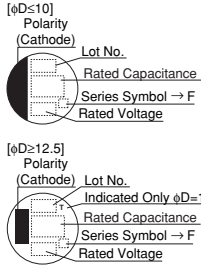


- 160 to 400V 105°C, 1000 to 2000hrs.
- Do not clean the capacitors using solvent.

### Specifications

Items		Specifications			
Rated voltage (V)		160	200	250	400
Category temperature range (°C)		-40 to +105			
Capacitance tolerance (%)		±20			(120Hz/20°C)
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)		0.20			0.25
Leakage current (L.C.) (μA/after 2min.) (MAX.)		CV≤1000 ; 0.03CV+15 CV>1000 ; 0.02CV+25			
Impedance (120Hz) ratio at low temperature (MAX.)	Z <sub>-25°C</sub> /Z <sub>20°C</sub>	3	3	3	6
	Z <sub>-40°C</sub> /Z <sub>20°C</sub>	6	6	6	10
Endurance 105°C	Test	φ8 : 1000hrs., φ10 to φ16 : 2000hrs.			
rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value			
	tanδ	≤ Twice the initial specified value			
	L.C.	≤ The initial 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 <sup>±0.2</sup>
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	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
16	16.5 ±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0

### Size List, Rated Ripple Current

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

Case size ; φD x L (mm)  
16 x 16.5 ; CE-FST series

Rated ripple current  
mAr.m.s. (120Hz, 105°C)

Model No.

