

# CE-FE Series

Small, Low Profile

3.9mm Height



- 105°C 1,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

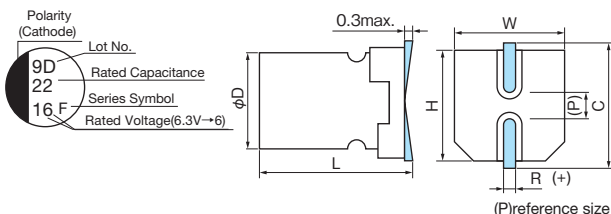
CE-FD (On the web)

 ↓ Small  
**CE-FE**

## Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	
Category temperature range (°C)	—	-40 to +105						
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.38	0.32	0.20	0.16	0.14	0.14	
Leakage current (LC)	µA/after 2minutes (max.)	The greater value of either 0.01CV or 3						
Impedance ratio at low temperature	Based on the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	4	3	2	2	2	2
		-40°C Z/Z <sub>20°C</sub>	10	8	6	4	4	4
Endurance	105°C, 1,000hours rated voltage applied (With the rated ripple current)	△C/C	Within ±30% of the initial value					
		tanδ	Less than 300% of the specified value					
		LC	Less than the specified value					

## Marking, Dimensions



(Unit : mm)

D <sup>±0.5</sup>	L <sup>+0.1/-0.2</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P
5	3.9	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	3.9	6.6	6.6	7.3	0.5 to 0.8	2.2

## Size, Rated Ripple Current

µF \ V	6.3	10	16	25	35	50
1.0						5×3.9 6
2.2						5×3.9 10
3.3						5×3.9 12
4.7				5×3.9 13	5×3.9 13	5×3.9 16
10			5×3.9 18	5×3.9 21	5×3.9 22	6.3×3.9 23
22	5×3.9 23	5×3.9 25	5×3.9★ 26	6.3×3.9 31	6.3×3.9 35	6.3×3.9 34
33		5×3.9★ 30				
	5×3.9 28	6.3×3.9 35	6.3×3.9 35	6.3×3.9 42		
47	5×3.9★ 34					
	6.3×3.9 42	6.3×3.9 38	6.3×3.9 42			
68	6.3×3.9 49					
100	6.3×3.9 52					

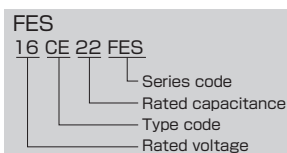
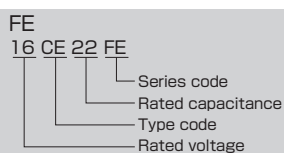
Please refer to page 14 for ripple current frequency coefficients.

★FES

Case size: φD×L (mm)

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

## Part number


 Surface Mount Type  
 Aluminum Electrolytic Capacitors

- CE-BE
- CE-BD
- CE-BS
- CE-BSS
- CE-FE
- CE-LD
- CE-FSS
- CE-FS
- CE-FS (High Voltage)
- CE-FH
- CE-AX
- CE-KX
- 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-NP
- CE-FN