

Aluminum Electrolytic Type / Surface Mount Type

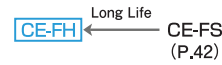
RoHS compliance

# CE-FH Series

Long Life



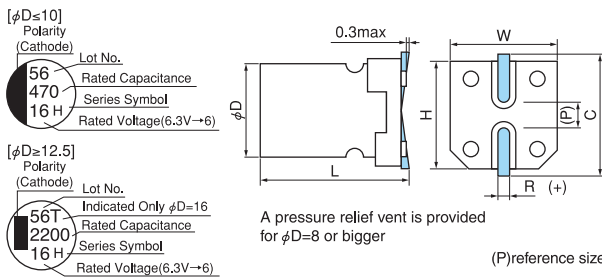
- 105°C, 2,000 to 5,000hours
- Solvent proof (within 2 minutes)



### 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 (tanδ)	tanδ (max) 120Hz/20°C	0.30	0.24	0.20	0.16	0.14	0.14	
Leakage current (LC)	μA/after 2minutes (max)	Exceeding 1,000μF, +0.02 every 1,000μF						
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	The greater value of either 0.01CV or 3						
Endurance	105°C rated voltage applied (With the rated ripple current)	-25°C Z/Z <sub>20°C</sub>	4	3	2	2	2	2
		-40°C Z/Z <sub>20°C</sub>	8	6	4	4	3	3
		Test	φ4 to φ6.3 : 2,000hours, φ8 to φ10 : 3,000hours, φ12.5 to φ16 : 5,000hours					
		ΔC/C	Within ±25% of the initial value					
		tan δ						Less than 250% of the specified value
		LC						Less than the specified value

### Marking, Dimensions



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
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
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	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.2	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	6.3	10	16	25	35	50
1.0						4×6.0 7
2.2						4×6.0 11
3.3						4×6.0 13
4.7				4×6.0 13	5×6.0 19	
10			4×6.0 18	5×6.0 23	5×6.0 25	6.3×6.0 32
22	4×6.0 22	5×6.0 27	5×6.0 30	6.3×6.0 42	6.3×6.0 44	6.3×7.7 60
33	5×6.0 30	5×6.0 35	6.3×6.0 44	6.3×6.0 58	6.3×7.7 77	8×10.2 140
47	5×6.0 36	6.3×6.0 46	6.3×6.0 60	6.3×7.7 91	8×10.2 150	8×10.2 150
100	6.3×6.0 67	6.3×6.0 62	6.3×7.7 95	8×10.2 150	8×10.2 160	10×10.2 220
220	6.3×7.7 105	8×10.2 175	8×10.2 175	8×10.2 195	10×10.2 290	12.5×13.5 340
330	8×10.2 195	8×10.2 195	8×10.2 210	10×10.2 290	12.5×13.5 380	
470	8×10.2 210	8×10.2 210	10×10.2 290	12.5×13.5 400		16×16.5 610
680		10×10.2 300		12.5×13.5 415		
1000	10×10.2 300		12.5×13.5 440		16×16.5 620	
1500		12.5×13.5 480		16×16.5 720		
2200	12.5×13.5 490		16×16.5 785			
3300		16×16.5 820				
4700	16×16.5 860					

Please refer to page 15 for ripple current frequency coefficients.

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

Case size: φD×L (mm)  
16×16.5: CE-FHT

### Part number

