

# ME-FC·FD Series

105°C Miniature, Mid. and High Voltage

105°C Low Profile, Mid. and High Voltage

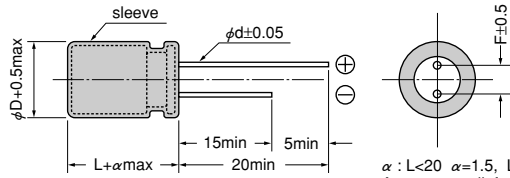


- 105°C, 1,000 to 2,000hrs.
- Do not clean the capacitors using solvent.

## Specifications

Items	Condition	Specifications						
Rated voltage (V)	—	160	200	250	350	400	450	
Surge voltage (V)	Room temperature	200	250	300	400	450	500	
Category temperature range (°C)	—	-40 to +105					-25 to +105	
Capacitance tolerance (%)	120Hz/20°C	M : ±20						
Dissipation Factor (tan δ)	120Hz/20°C	0.20	0.20	0.20	0.25	0.25	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	4	6	6
		-40°C Z/Z <sub>20°C</sub>	6	6	6	8	10	—
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	φ5 to φ8 : 1,000hrs., φ10 to φ18 : 2,000hrs.					
		ΔC/C	Within ±20% of the initial value					
		tan δ	≤ 2 times the initial specified value					
		LC	≤ The initial specified value					

## Dimensions



α : L<20 α=1.5, L≥20 α=2.0

A pressure relief vent is attached to products over φD=6.3

(Unit : mm)

φD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0	5.0	7.5	7.5
φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8

## Size List, Rated Ripple Current

μF \ V	160		200		250		350		400		450	
0.47	5×11	7.0	5×11	8.0	5×11	8.0	6.3×11	10	6.3×11	10		
1.0	5×11	15	5×11	16	5×11	18	6.3×11	20	8×11.5	20	8×12.5	18
2.2	6.3×11	22	6.3×11	24	6.3×11	25	8×11.5	28	8×11.5	28	10×16	28
3.3	6.3×11	28	6.3×11	32	8×11.5	34	8×12.5	36	10×12.5	36	10×20	36
4.7	6.3×11	39	8×11.5	40	8×11.5	41	10×12.5	47	10×16	47	12.5×20	47
10	8×11.5	63	8×12.5	64	10×12.5	66	10×20	70	10×20	70	12.5×25 16×21	70
22	10×12.5	107	10×16	112	10×20	119	12.5×25 16×21	123	12.5×25 16×21	126	16×25 18×21	125
33	10×20	137	10×20	147	12.5×20	154	16×25 18×21	158	16×25 18×21	161	16×30 18×25	154
47	12.5×20	172	12.5×20	175	12.5×25 16×21	182	16×30 18×25	182	16×30 18×25	189	18×35.5	172
68	12.5×20	217	12.5×25 16×21	228	16×25 16×21	235	16×35.5 18×30.5	242	18×35.5	249		
82	12.5×25 16×21	270	16×21	277	16×30 18×25	284	18×35.5	294				
100	12.5×25 16×21	287	16×25 18×21	301	16×35.5 18×25	302						
150	16×30 18×25	385	16×35.5 18×30.5	403	18×35.5	412						
220	16×35.5 18×30.5	522	18×35.5	532								

Upper:FC series (0.47μF to 4.7μF:FC series)

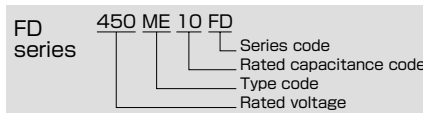
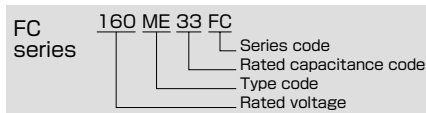
Lower:FD series

Please refer to page 15 for the ripple current frequency coefficient.

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

Case size:φDxL(mm)

## Model No.



- CE-BJ
- CE-BE
- CE-BD
- CE-BSS
- CE-BS
- CE-FE
- CE-FD
- CE-LD
- CE-FSS
- CE-FU
- CE-FS
- CE-FH
- CE-GA
- CE-AX
- CE-KX
- CE-LX
- CE-LS
- CE-LH
- CE-LL
- CE-PC
- CE-PH
- CE-NP
- CE-FN
- ME-SWB
- ME-UZ-SZ
- ME-UAX-SAX
- ME-LS
- ME-HC
- ME-CZ
- ME-CA
- ME-CX
- ME-AX
- ME-WX
- ME-WA
- ME-WL
- ME-SWG
- ME-WG
- ME-PX
- ME-HPC-HPD
- ME-FC-FD
- ME-FAZ
- ME-FH
- ME-SWN
- ME-HWN