

CE-FD Series

Miniature Low Profile

4.5mm Height

- 105°C 1,000hours
- 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 (tan δ)	120Hz/20°C	0.35	0.28	0.20	0.16	0.14	0.12	
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 _{20°C}	4	3	2	2	2	2
		-40°C Z/Z _{20°C}	10	8	6	4	4	4
Endurance	105°C, 1,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value					
		tanδ	Less than 300% of the specified value					
		LC	Less than the specified value					

Marking, Dimensions

D ^{±0.5}	L ^{+0.1 -0.2}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
4	4.5	4.3	4.3	5.0	0.5 to 0.8	1.0
5	4.5	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	4.5	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	
0.47											4×4.5	2.8
1.0											4×4.5	5.9
2.2											4×4.5	9.8
3.3											4×4.5	12
4.7							4×4.5	12	4×4.5	13	5×4.5	15
10					4×4.5	17	5×4.5	19	5×4.5	21	6.3×4.5	24
22	4×4.5	20	5×4.5	24	5×4.5	26	6.3×4.5	33	6.3×4.5	35		
33	5×4.5	26	5×4.5	29	6.3×4.5	36	6.3×4.5	40				
47	5×4.5	32	6.3×4.5	38	6.3×4.5	43	6.3×4.5	44				
100	6.3×4.5	49	6.3×4.5	52								

Please refer to page 14 for ripple current frequency coefficients.

Case size: φDxL(mm)

 Rated ripple current
mA_{rms}(120Hz, 105°C)

Part number

