

# CE-FN Series

Bi-polar 105°C

5.4mm Height



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

## Specifications

Items	Condition	Specifications								
Rated voltage (V)	—	6.3	10	16	25	35	50	63		
Surge voltage (V)	Room temperature	8.0	13	20	32	44	63	79		
Category temperature range (°C)	—	-55 to +105								
Capacitance tolerance (%)	120Hz/20°C	M : ±20								
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.24	0.22	0.20	0.20	0.20	0.18	0.16		
Leakage current (LC)	μA/after 1 minute (max)	0.03CV + 6								
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-40°C Z/Z <sub>20°C</sub>	3	3	2	2	2	2	2	
		-55°C Z/Z <sub>20°C</sub>	8	6	4	4	3	3	3	
Endurance	500hours×2(alternately) 105°C, rated voltage applied (With the rated ripple current)	ΔC/C	Within ±25% of the initial value							
		tan δ	Less than 200% of the specified value							
		LC	Less than the specified value							

## Marking, Dimensions

Lot No.

56

10

16F

Rated Capacitance

Series Symbol

Rated Voltage(6.3V→6)

(P)reference size

D <sup>+0.5max</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
4	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4	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	63
1.0						4	7.0
2.2					4	5.9	5
3.3				4	7.0	5	12
4.7			4	8.0	5	14	6.3
10		4	12	5	17	6.3	21
22	5	22	6.3	25	6.3	27	
33	6.3	27	6.3	30	6.3	40	
47	6.3	33					

Please refer to page 15 for ripple current frequency coefficients.

Rated ripple current  
mA<sub>rms</sub> (120Hz, 105°C)

Case size: φD(mm)

## Part number

