

CE-FN Series

Bi-polar 105°C

5.4mm Height

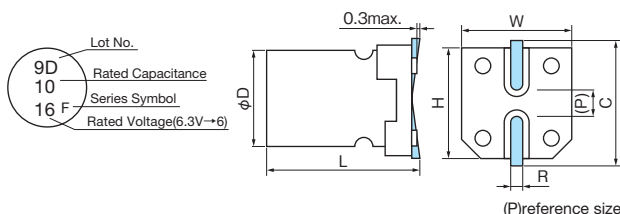


- 105°C 1,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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)	tanδ (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 on the value at 120Hz, +20°C	-40°C Z/Z _{20°C}	3	3	2	2	2	2	2
		-55°C Z/Z _{20°C}	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						
		tanδ	Less than 200% of the specified value						
		LC	Less than the specified value						

Marking, Dimensions



(Unit : mm)

D ^{±0.5}	L ^{+0.1 -0.2}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	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	10
3.3				4	7.0	5	12
4.7			4	8.0	5	13	14
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 14 for ripple current frequency coefficients.

Case size: φD(mm)

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

Part number

