

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

CE-BE Series

Small, Low Profile

3.9mm Height



CE-BD (P.35)
↓ Low Profile
CE-BE

- Solvent proof (within 2 minutes)

Specifications

Items	Condition	Specifications							
Rated voltage (V)	—	4	6.3	10	16	25	35	50	
Surge voltage (V)	Room temperature	5.0	8.0	13	20	32	44	63	
Category temperature range (°C)	—	-40 to +85							
Capacitance tolerance (%)	120Hz/20°C	M : ±20							
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.40	0.30	0.24	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 the value at 120Hz, +20°C	-25°C Z/Z _{20°C}	7	4	3	2	2	2	2
		-40°C Z/Z _{20°C}	15	10	8	6	4	4	4
Endurance	85°C, 1,000hours 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

Polarity (Cathode)

(P)reference size

(Unit : mm)

D ^{+0.5max}	L ^{+0.1 -0.2}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P
5	3.9	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	3.9	6.6	6.6	7.3	0.5 to 0.8	2.2

Size, Rated Ripple Current

μF \ V	4	6.3	10	16	25	35	50
1.0							5×3.9 8.4
2.2							5×3.9 14
3.3							5×3.9 17
4.7					5×3.9 18	5×3.9 18	5×3.9 21
10				5×3.9 25	5×3.9 30	5×3.9 29	6.3×3.9 33
22		5×3.9 33	5×3.9 35	5×3.9★ 37	6.3×3.9 45	6.3×3.9 50	6.3×3.9 49
33	5×3.9 33	5×3.9 40	5×3.9★ 43	6.3×3.9 50	6.3×3.9 50	6.3×3.9 60	
47	5×3.9 40	5×3.9★ 48	6.3×3.9 60	6.3×3.9 55	6.3×3.9 60		
68	5×3.9★ 48	6.3×3.9 60	6.3×3.9 70				
100	5×3.9★ 58	6.3×3.9 70	6.3×3.9 75				
180	6.3×3.9 85						

Please refer to page 15 for ripple current frequency coefficients.
★BES

Rated ripple current
mA Arms (120Hz, 85°C)

Case size: φD×L(mm)

Part number

