

Aluminum Electrolytic Type / Surface Mount Type

RoHS compliance

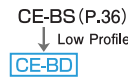
CE-BD Series

Small, Low Profile

4.5mm Height



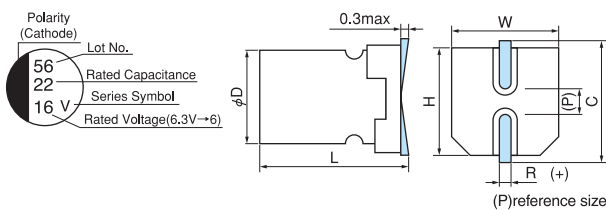
- Solvent proof (within 2 minutes)



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



(Unit : mm)

D ^{+0.5max}	L ^{+0.1 -0.2}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
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

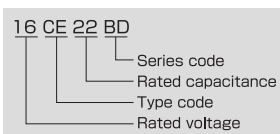
μF \ V	4	6.3	10	16	25	35	50
0.47							4x4.5 4.0
1.0							4x4.5 8.4
2.2							4x4.5 14
3.3							4x4.5 17
4.7					4x4.5 17	4x4.5 18	5x4.5 21
10				4x4.5 23	5x4.5 27	5x4.5 29	6.3x4.5 33
22		4x4.5 28	5x4.5 33	5x4.5 37	6.3x4.5 47	6.3x4.5 49	
33	4x4.5 28	5x4.5 37	5x4.5 41	6.3x4.5 51	6.3x4.5 57		
47	4x4.5 33	5x4.5 45	6.3x4.5 53	6.3x4.5 61			
100	5x4.5 56	6.3x4.5 70	6.3x4.5 74				
220	6.3x4.5 96						

Please refer to page 15 for ripple current frequency coefficients.

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

Case size: φDxL (mm)

Part number



Surface Mount Type
Aluminum Electrolytic
Capacitors

CE-BE
CE-BD

CE-BS
CE-BSS
CE-FE
CE-LD
CE-FU
CE-FS
CE-FSS
CE-FH
CE-GA

CE-AX
CE-KX
CE-ZX

CE-ZC

CE-LX

CE-LS

CE-LH

CE-LL

CE-PC

CE-PH

CE-PS

CE-PF

CE-TH

CE-NP

CE-FN