

CE-C·BS Series

Miniature, 3mm Diameter (CE-C series)

Standard (CE-BS series)



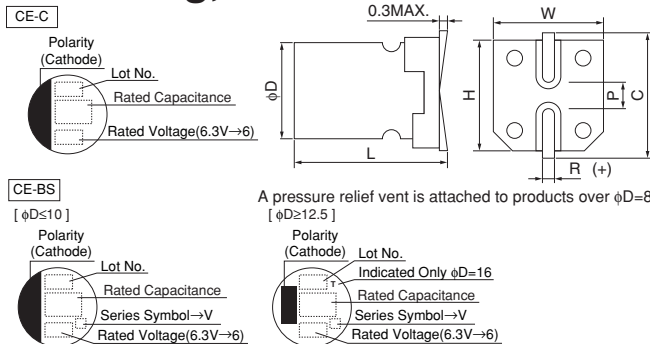
•Solvent proof (within 2 minutes)

Specifications

Items		Specifications									
Rated voltage (V)		4	6.3	10	16	25	35	50	63	100	
Category temperature range (°C)		-40 to +85									
Capacitance tolerance (%)		±20 (120Hz/20°C)									
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)	φ3	0.40	0.30	—	0.19	0.16	0.14	0.14	—	—	
	φ4 to φ6.3	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.10	
	φ8 to φ16	0.40	0.30	0.24	0.20	0.16	0.14	0.12	0.12	0.10	
Leakage current (L.C.) (μA/after 2min.) (MAX.)		When rated capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.									
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-25°C} /Z _{20°C}	7	4	3	2	2	2	2	2	2	
	Z _{-40°C} /Z _{20°C}	15	8	6	4	4	3	3	3	3	
Endurance 85°C, 2000hrs. rated voltage applied (With the rated ripple current)	ΔC/C	Within ± 25% of the initial value									
	tanδ	≤ Twice the initial specified value									
	L.C.	≤ The initial specified value									

Marking, Dimensions

(Unit : mm)

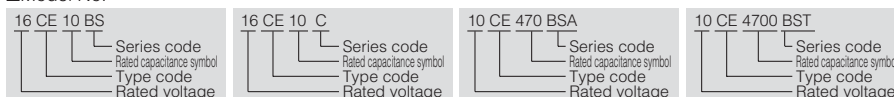


D+0.5MAX.	L	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
3	5.4 ^{+0.1} _{-0.2}	3.3	3.3	3.9	0.45 to 0.75	0.6
4	5.4 ^{+0.1} _{-0.2}	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4 ^{+0.1} _{-0.2}	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4 ^{+0.1} _{-0.2}	6.6	6.6	7.3	0.5 to 0.8	2.2
4	6.0 ±0.3	4.3	4.3	5.0	0.5 to 0.8	1.0
6.3	6.0 ±0.3	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7 ±0.3	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2 ±0.3	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7 ±0.3	10.3	10.3	11.0	1.1 to 1.4	4.6
10	10.2 ±0.3	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
16	16.5 ±0.5	16.3	16.3	17.3	1.8 to 2.1	7.0

Size List, Rated Ripple Current

μF	4	6.3	10	16	25	35	50	63	100
0.1 to 0.47							4 x 5.4* 1 to 5 (1 to 4)	4 x 5.4 1 to 5	
1.0							4 x 5.4* 10 (8)	4 x 5.4 10	4 x 6.0 10
2.2						*	4 x 5.4* 15 (10)	4 x 5.4 15	6.3 x 6.0 20
3.3						*	4 x 5.4 18	5 x 5.4 20	6.3 x 6.0 28
4.7					4 x 5.4*	19 (12)	4 x 5.4 23	5 x 5.4 23	6.3 x 6.0 35
10				4 x 5.4* 25 (18)	5 x 5.4 28	5 x 5.4 30	6.3 x 5.4 34	6.3 x 5.4 34	6.3 x 7.7 50
22	*	(19)	4 x 5.4* 31 (19)	5 x 5.4 35	5 x 5.4 39	6.3 x 5.4 52	6.3 x 5.4 54	6.3 x 6.0 60	6.3 x 7.7 70
33	4 x 5.4	26	5 x 5.4 39	5 x 5.4 43	6.3 x 5.4 57	6.3 x 5.4 63	6.3 x 6.0 60	6.3 x 7.7 85	8 x 10.2 120
47	4 x 5.4	34	5 x 5.4 47	6.3 x 5.4 59	6.3 x 5.4 68	6.3 x 6.0 68	6.3 x 6.0 70	6.3 x 7.7 90	10 x 10.2 190
68								8 x 10.2 170	12.5 x 13.5 330
82								8 x 10.2 180	12.5 x 13.5 350
100	5 x 5.4	61	6.3 x 5.4 71	6.3 x 5.4 76	6.3 x 5.4 86	6.3 x 7.7 130	6.3 x 7.7 120	8 x 10.2 200	10 x 10.2 280
150			6.3 x 6.0 88	6.3 x 7.7 135	8 x 10.2 200	8 x 10.2 220	8 x 10.2 220	10 x 10.2 200	16 x 16.5 550
220	6.3 x 5.4	82	6.3 x 6.0 95	6.3 x 7.7 150	6.3 x 7.7 150	8 x 10.2 250	10 x 7.7 250	10 x 7.7 220	16 x 16.5 560
330	6.3 x 6.0	102	6.3 x 7.7 150	8 x 10.2 280	8 x 10.2 280	8 x 10.2 310	10 x 10.2 270	10 x 10.2 320	
390								12.5 x 13.5 520	
470	6.3 x 7.7	150	8 x 10.2 300	8 x 10.2 300	8 x 10.2 300	10 x 10.2 430	12.5 x 13.5 590	12.5 x 13.5 550	16 x 16.5 700
680			8 x 10.2 300	10 x 7.7 300	10 x 10.2 450		12.5 x 13.5 610	16 x 16.5 1000	
1000	10 x 7.7	330	8 x 10.2 330	10 x 10.2 450			12.5 x 13.5 660	16 x 16.5 1000	16 x 16.5 940
1500			10 x 10.2 450						
2200									
3300			12.5 x 13.5 750	12.5 x 13.5 730					
4700				16 x 16.5 1260	16 x 16.5 1200				
6800			16 x 16.5 1330						

Model No.



Rated ripple current
Case size ; φD x L (mm)
* ; CE-C series (3 x 5.4) mAr.m.s. (120Hz, 85°C)
10 x 7.7 ; CE-BSA series () ; CE-C series
16 x 16.5 ; CE-BST series