

CE-C·BS Series

Surface Mount Type, Miniature, 3mm Diameter (CE-C series)
Surface Mount Type, Standard (CE-BS series)

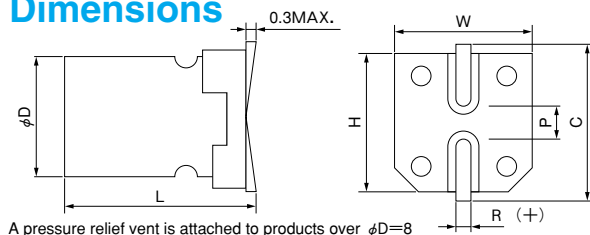
Solvent proof (within 2 minutes)

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 (tan δ) (MAX.) (120Hz/20°C)	φ 3	0.40	0.30	—	0.19	0.16	0.14	0.14	—	—
	φ 4 to φ 6.3	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.10
	φ 8 to φ 16	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 nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000 μF increase.									
Impedance (120Hz) ratio at low temperature (MAX.)	The greater value of either 0.01CV or 3									
Endurance rated voltage applied.	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
	Test	85°C 2000hrs.								
	ΔC/C	Within ± 25% of the initial value								
	tan δ	≤ Twice the initial standard								
	L.C.	≤ The initial standard								

Dimensions



A pressure relief vent is attached to products over φD=8

(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	17.0	1.8 to 2.1	7.0

Size List, Maximum Permissible Ripple Current

μF	V	4	6.3	10	16	25	35	50	63	100
0.1 to 0.47								4X5.4※ 1 to 5 (1 to 4)	4X5.4 1 to 5	
1.0								4X5.4※ 10 (8)	4X5.4 10	4X6.0 10
2.2							※ (8)	4X5.4※ 15 (10)	4X5.4 15	6.3X6.0 20
3.3							※ (10)	4X5.4 18	5X5.4 20	6.3X6.0 28
4.7						4X5.4※ 19 (12)	4X5.4 20	5X5.4 23	5X5.4 23	6.3X6.0 35
10					4X5.4※ 25 (18)	5X5.4 28	5X5.4 30	6.3X5.4 34	6.3X5.4 34	6.3X7.7 50
22	※ (19)	4X5.4※ 31 (19)	5X5.4 35	5X5.4 39	6.3X5.4 52	6.3X5.4 54	6.3X6.0 60	6.3X7.7 85	6.3X7.7 70	8X10.2 120
33	4X5.4 26	5X5.4 39	5X5.4 43	6.3X5.4 57	6.3X5.4 63	6.3X6.0 60	6.3X7.7 85	8X10.2 160	10X10.2 190	
47	4X5.4 34	5X5.4 47	6.3X5.4 59	6.3X5.4 68	6.3X6.0 68	6.3X6.0 70	6.3X7.7 90	8X10.2 170	12.5X13.5 330	
68								8X10.2 180	12.5X13.5 350	
82								10X7.7 200		
100	5X5.4 61	6.3X5.4 71	6.3X5.4 76	6.3X5.4 86	6.3X7.7 130	6.3X7.7 120	8X10.2 200	10X10.2 280	16X16.5 550	
150			6.3X6.0 88	6.3X7.7 135	8X10.2 200	8X10.2 220	10X7.7 220		16X16.5 560	
220	6.3X5.4 82	6.3X6.0 95	6.3X7.7 150	6.3X7.7 150	8X10.2 250	8X10.2 270	10X10.2 320	12.5X13.5 410		
330	6.3X6.0 102	6.3X7.7 150	8X10.2 280	8X10.2 280	10X7.7 280					
390								12.5X13.5 550		
470	6.3X7.7 150	8X10.2 300	8X10.2 300	8X10.2 330	10X10.2 430	12.5X13.5 590		16X16.5 700		
680		8X10.2 300	10X7.7 300	10X10.2 450		12.5X13.5 610				
1000		8X10.2 330	10X10.2 450		12.5X13.5 660		16X16.5 940			
1500										
2200										
3300										
4700										
6800										

Case size ; φDXL (mm)
※ ; CE-C series (3X5.4)
10X7.7 ; CE-BSA series
16X16.5 ; CE-BST series
() ; CE-C series

Model No.

16 CE 10 BS
Series code
Capacitance symbol
Type code
Rated voltage

16 CE 10 C
Series code
Capacitance symbol
Type code
Rated voltage

10 CE 470 BSA
Series code
Capacitance symbol
Type code
Rated voltage

10 CE 4700 BST
Series code
Capacitance symbol
Type code
Rated voltage