

## CV-C·BS Series

Solvent proof (within 2 minutes)

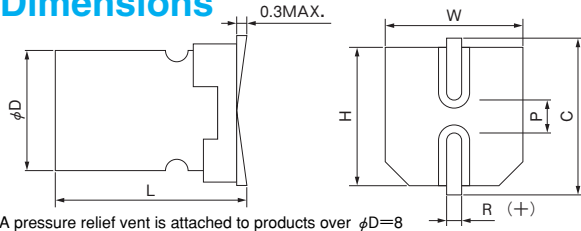
Surface mount type ultra mini version, 3mm in diameter ..CV-C series  
Surface mount type standard .....CV-BS series



### Specifications

Items	Specifications									
Rated voltage (V)	4	6.3	10	16	25	35	50	63	100	
Operating 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
	When nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000 μF increase.									
Leakage current (L.C.) (μA/after 2min.) (MAX.)	The greater value of either 0.01CV or 3									
Impedance (120Hz) ratio at low temperature (MAX.)	Z-25°C/Z20°C	7	4	3	2	2	2	2	2	2
	Z-40°C/Z20°C	15	8	6	4	4	3	3	3	3
High-temperature load rated voltage applied.	Test	85°C 2000hrs.								
	ΔC/C	Within ± 25% of the initial value								
	tan δ	≤ Twice the initial standard								
	L.C.	≤ The initial standard								
Resistance to soldering heat	Test	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.								
	ΔC/C	Within ± 10% of the initial value								
	tan δ	≤ The initial standard								
	L.C.	≤ The initial standard								

### Dimensions



(Unit :mm)

D+0.5MAX.	L	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
3	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	3.3	3.3	3.9	0.45 to 0.75	0.6
4	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4 <sup>+0.1</sup> <sub>-0.2</sub>	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

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※ (8)	4X5.4 (10)	4X6.0 (10)
2.2								4X5.4※ (15 (10))	4X5.4 (15)	6.3X6.0 (20)
3.3								※ (10) 4X5.4	5X5.4 (20)	6.3X6.0 (28)
4.7								4X5.4※	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)	6.3X6.0 (60)	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)	16X16.5 (560)
150			6.3X6.0 (88)	6.3X7.7 (135)	8X10.2 (200)	10X7.7 (220)	10X7.7 (220)			
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)	10X10.2 (310)	10X10.2 (340)	12.5X13.5 (520)		
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	10X7.7 (330)	8X10.2 (330)	10X10.2 (450)		12.5X13.5 (660)		16X16.5 (940)			
1500		10X10.2 (450)		12.5X13.5 (710)		16X16.5 (1060)				
2200			12.5X13.5 (730)		16X16.5 (1150)					
3300		12.5X13.5 (750)		16X16.5 (1200)						
4700			16X16.5 (1260)							
6800		16X16.5 (1330)								

