

CV-C-BS Series

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

IEC pub. 384-18 approved.

CV-BS and CV-C series are highly heat resistant and can be soldered by reflow.
They can be auto mounted by carrier taping. Solvent proof (within 2 minutes).

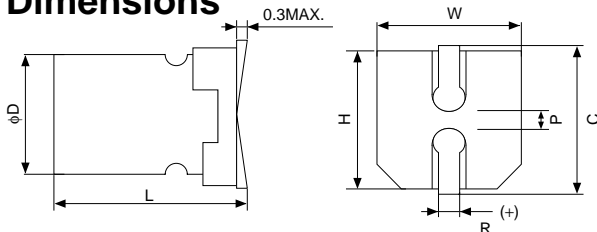


Specifications

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)								
Tangent of loss angle (tan δ) (MAX.)(120Hz)	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 φ12.5	—	0.30	0.24	0.20	0.16	0.14	0.12	0.12	0.10
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} /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
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								
Other characteristics		Conform to IEC 384-18								

(unit : mm)

Dimensions



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 +0.3MAX.	4.3	4.3	5.0	0.5 to 0.8	1.0
6.3	6.0 +0.3MAX.	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7 +0.3MAX.	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5 +0.3MAX.	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7 +0.3MAX.	10.3	10.3	11.0	0.7 to 1.0	4.6
10	10.5 +0.3MAX.	10.3	10.3	11.0	0.7 to 1.0	4.6
12.5	13.5 +0.5MAX.	12.8	12.8	13.5	0.7 to 1.0	4.6

Size List

μF \ V	4	6.3	10	16	25	35	50	63	100
0.1 to 0.47							4×5.4* 1 to 5 (1 to 4)	4×5.4 1 to 5	
1.0							4×5.4* 10(8)	4×5.4 10	4×6.0 10
2.2						*	(8) 4×5.4* 15(10)	4×5.4 15	6.3×6.0 20
3.3						*	(10) 4×5.4 18	5×5.4 20	6.3×6.0 28
4.7					4×5.4* 19(12)	4×5.4 20	5×5.4 23	5×5.4 23	6.3×6.0 35
10				4×5.4* 25(18)	5×5.4 28	5×5.4 30	6.3×5.4 34	6.3×5.4 34	6.3×7.7 50
22	*	(19)	4×5.4* 31(19)	5×5.4 35	5×5.4 39	6.3×5.4 52	6.3×5.4 54	6.3×6.0 45	6.3×7.7 70
33	4×5.4 26	5×5.4 39	5×5.4 43	6.3×5.4 57	6.3×5.4 63	6.3×6.0 60	6.3×7.7 85	8×10.5 160	10×10.5 190
47	4×5.4 34	5×5.4 47	6.3×5.4 59	6.3×5.4 68	6.3×6.0 68	6.3×6.0 70	6.3×7.7 90	8×10.5 170	
82							10×7.7 200		
100	5×5.4 61	6.3×5.4 71	6.3×5.4 76	6.3×5.4 86	6.3×7.7 130	6.3×7.7 120	8×10.5 200	10×10.5 280	
150			6.3×6.0 88	6.3×7.7 135	8×10.5 200	8×10.5 220			
220	6.3×5.4 82	6.3×6.0 95	6.3×7.7 150	6.3×7.7 150	8×10.5 250	8×10.5 270	10×10.5 320		
330	6.3×6.0 102	6.3×7.7 150	8×10.5 280	8×10.5 280	8×10.5 310	10×10.5 340			
390							12.5×13.5 550		
470	6.3×7.7 150	8×10.5 300	8×10.5 300	8×10.5 330	10×10.5 430	12.5×13.5 590			
680				10×10.5 450		12.5×13.5 610			
1000		10×7.7 300							
1500		8×10.5 330	10×10.5 450		12.5×13.5 660				
2200			12.5×13.5 730						
3300		12.5×13.5 750							

Model No.
16CV10BS
└──┬── 10μF, nominal capacitance
└──┬── 16V, rated voltage

16CV10C
└──┬── (μF)
└──┬── (V)

10CV470BSA
└──┬── (μF)
└──┬── (V)

φD×L
* : CV-C series (3×5.4)
10×7.7 : CV-BSA series

Ripple current
mA r.m.s.
(120Hz, 85°C)
() : CV-C series