

CV-C-BS

Series

IEC approved

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).

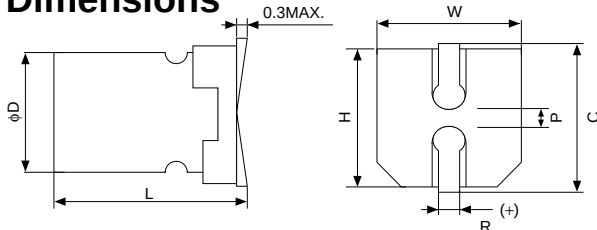


Specifications

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 ^{+0.3} MAX.	4.3	4.3	5.0	0.5 to 0.8	1.0
6.3	6.0 ^{+0.3} MAX.	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7 ^{+0.3} MAX.	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5 ^{+0.3} MAX.	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7 ^{+0.3} MAX.	10.3	10.3	11.0	0.7 to 1.0	4.6
10	10.5 ^{+0.3} MAX.	10.3	10.3	11.0	0.7 to 1.0	4.6
12.5	13.5 ^{+0.5} MAX.	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							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 45	6.3x7.7 70
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	8x10.5 160
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	8x10.5 170
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	8x10.5 200	10x10.5 280
150				6.3x6.0 88	6.3x7.7 135	8x10.5 200	8x10.5 220		
220	6.3x5.4	82	6.3x6.0 95	6.3x7.7 150	6.3x7.7 150	8x10.5 250	8x10.5 270	10x10.5 320	
330	6.3x6.0	102	6.3x7.7 150	8x10.5 280	8x10.5 280	8x10.5 310	10x10.5 340		
390								12.5x13.5 550	
470	6.3x7.7	150	8x10.5 300	8x10.5 300	8x10.5 330	10x10.5 430	12.5x13.5 590		
680					10x10.5 450		12.5x13.5 610		
1000			8x10.5 330	10x10.5 450		12.5x13.5 660			
1500					12.5x13.5 710				
2200									
3300			12.5x13.5 750						

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

16CV10C
(μF)
(V)

10CV470BSA
(μF)
(V)

φD×L
* ; CV-C series (3x5.4)
10x7.7 ; CV-BSA series

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