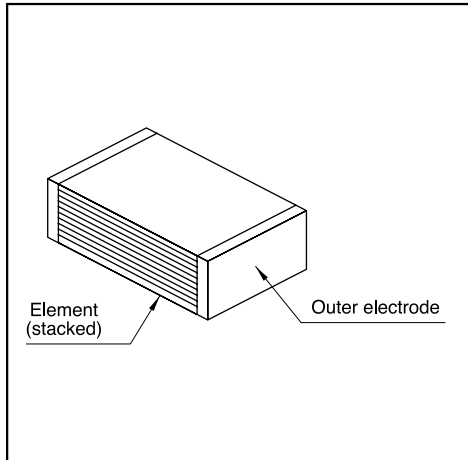
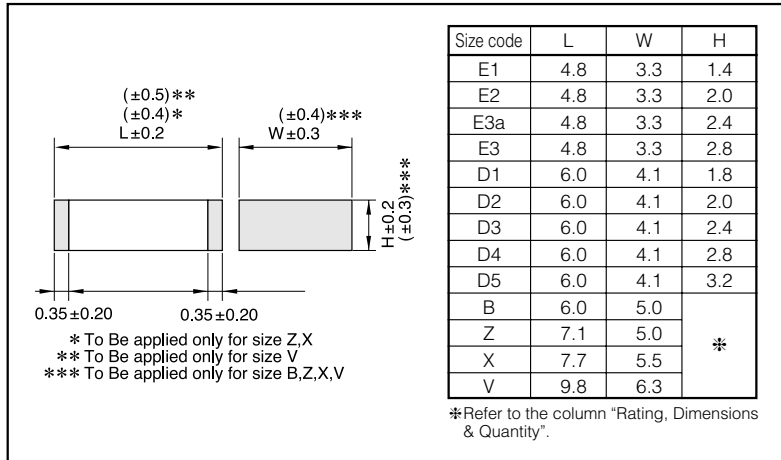


■Construction



■Dimensions in mm (not to scale)



■Taping Specification for Automatic Mounting

Refer to the page of taping specifications.

■Rating, Dimensions & Quantity/Reel

●Capacitance tolerance : $\pm 5\%$ (J)

Cap. (μ F)	Rated volt. 16 VDC						Rated volt. 50 VDC							
	Part No	Dimensions (mm)			Size code	Q'ty	Part No	Dimensions (mm)			Size code	Q'ty		
		L	W	H				L	W	H				
0.056	Please use 16 VDC rating of ECHU(X)						ECWU1H563JC9	4.8	3.3	2.0	E2	3000		
0.068							ECWU1H683JC9	4.8	3.3	2.0	E2			
0.082							ECWU1H823JC9	4.8	3.3	2.4	E3a	2000		
0.10							ECWU1H104JC9	4.8	3.3	2.8	E3			
0.12	ECWU1C124JC9	4.8	3.3	1.4	E1	3000	ECWU1H124JC9	6.0	4.1	1.8	D1	3000		
0.15	ECWU1C154JC9	4.8	3.3	2.0	E2		ECWU1H154JC9	6.0	4.1	2.0	D2			
0.18	ECWU1C184JC9	4.8	3.3	2.0	E2	2000	ECWU1H184JC9	6.0	4.1	2.4	D3	2000		
0.22	ECWU1C224JC9	4.8	3.3	2.4	E3a		ECWU1H224JC9	6.0	4.1	2.8	D4			
0.27	ECWU1C274JC9	6.0	4.1	1.8	D1	3000	Cap. $\leq 0.047 \mu$ F : Please use 50 VDC rating of ECHU(X)							
0.33	ECWU1C334JC9	6.0	4.1	2.0	D2									
0.39	ECWU1C394JC9	6.0	4.1	2.4	D3	2000								
0.47	ECWU1C474JC9	6.0	4.1	2.8	D4									

■ Rating, Dimensions & Quantity/Reel

● Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K)

Cap. (μ F)	Rated volt. 100 VDC						Rated volt. 250 VDC					
	Part No	Dimensions (mm)			Size code	Q'ty	Part No	Dimensions (mm)			Size code	Q'ty
		L	W	H				L	W	H		
0.0010	Please use 100 VDC rating ECWU(X)						ECWU2102□C9	4.8	3.3	1.4	E1	3000
0.0012							ECWU2122□C9	4.8	3.3	1.4	E1	
0.0015							ECWU2152□C9	4.8	3.3	1.4	E1	
0.0018							ECWU2182□C9	4.8	3.3	1.4	E1	
0.0022							ECWU2222□C9	4.8	3.3	1.4	E1	
0.0027							ECWU2272□C9	4.8	3.3	1.4	E1	
0.0033							ECWU2332□C9	4.8	3.3	1.4	E1	
0.0039							ECWU2392□C9	4.8	3.3	1.4	E1	
0.0047							ECWU2472□C9	4.8	3.3	1.4	E1	
0.0056							ECWU2562□C9	4.8	3.3	1.4	E1	
0.0068							ECWU2682□C9	4.8	3.3	1.4	E1	
0.0082							ECWU2822□C9	4.8	3.3	1.4	E1	
0.010							ECWU2103□C9	4.8	3.3	1.4	E1	
0.012	ECWU1123□C9	4.8	3.3	1.4	E1	ECWU2123□C9	4.8	3.3	1.4	E1	2000	
0.015	ECWU1153□C9	4.8	3.3	1.4	E1	ECWU2153□C9	4.8	3.3	1.4	E1		
0.018	ECWU1183□C9	4.8	3.3	1.4	E1	ECWU2183□C9	4.8	3.3	2.0	E2		3000
0.022	ECWU1223□C9	4.8	3.3	1.4	E1	ECWU2223□C9	4.8	3.3	2.0	E2		
0.027	ECWU1273□C9	4.8	3.3	1.4	E1	ECWU2273□C9	4.8	3.3	2.4	E3a		
0.033	ECWU1333□C9	4.8	3.3	1.4	E1	ECWU2333□C9	4.8	3.3	2.8	E3		1500
0.039	ECWU1393□C9	4.8	3.3	1.4	E1	ECWU2393□C9	6.0	4.1	2.0	D2		
0.047	ECWU1473□C9	4.8	3.3	2.0	E2	ECWU2473□C9	6.0	4.1	2.4	D3	2000	
0.056	ECWU1563□C9	4.8	3.3	2.0	E2	ECWU2563□C9	6.0	4.1	2.8	D4		
0.068	ECWU1683□C9	4.8	3.3	2.4	E3a	ECWU2683□C9	6.0	4.1	3.2	D5	1500	
0.082	ECWU1823□C9	4.8	3.3	2.8	E3	ECWU2823□C9	6.0	5.0	3.2	B		
0.10	ECWU1104□C9	6.0	4.1	1.8	D1	ECWU2104□C9	6.0	5.0	3.8	B		
0.12	ECWU1124□C9	6.0	4.1	2.4	D3	ECWU2124□C9	6.0	5.0	4.5	B		
0.15	ECWU1154□C9	6.0	4.1	2.8	D4	↑ Cap. tol. code						
0.18	ECWU1184KC9	7.1	5.0	2.0	Z	1500						
0.22	ECWU1224KC9	7.1	5.0	2.4	Z							
0.27	ECWU1274KC9	7.1	5.0	2.9	Z							
0.33	ECWU1334KC9	7.1	5.0	3.5	Z							
0.39	ECWU1394KCV	7.7	5.5	3.4	X	1000						
0.47	ECWU1474KCV	7.7	5.5	4.0	X							
0.56	ECWU1564KCV	9.8	6.3	3.0	V							
0.68	ECWU1684KCV	9.8	6.3	3.6	V							
0.82	ECWU1824KCV	9.8	6.3	4.3	V							
1.0	ECWU1105KCV	9.8	6.3	5.1	V							
↑ Cap. tol. code												

■ Recommended for Land Dimensions (mm)

Diagram illustrating the dimensions of a capacitor land and electrode:

- Land:** The gap between the two electrodes.
- Electrode:** The shaded rectangular area.
- A:** Width of the land.
- B:** Total width (Land + Electrode).
- C:** Height of the electrode.

Size code	Land dimensions for reflow soldering		
	A	B	C
E1,E2,E3a,E3	2.6	6.6	3.0
D1,D2,D3,D4,D5	3.8	7.8	3.8
B	3.8	7.8	4.6
Z	4.5	9.0	4.6
X	5.1	9.7	5.0
V	7.2	11.9	5.7

✱ It is not warrantable that you can mount the capacitor without trouble under all the mounting condition when "Recommender for Land dimensions" is adopted.