

Stacked PEN Film Chip Capacitors - Standard

Stacked metalized PEN film as dielectric with simple mold-less construction

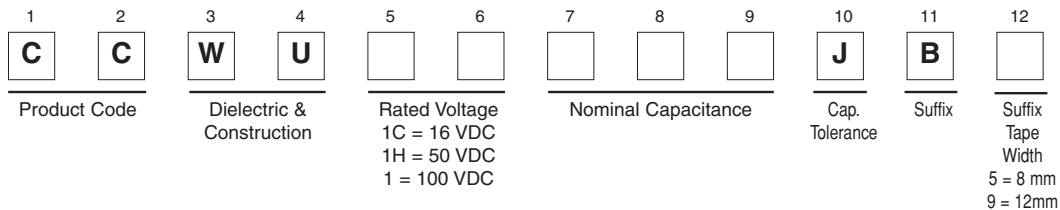
FEATURES

- Small in size (minimum size 3.2 x 1.6mm)
- 85°C, 85% RH, W.V. x 1.0 for 500 hours
- Applicable for reflow soldering

RECOMMENDED APPLICATIONS

- Coupling
- By-pass
- General Purpose

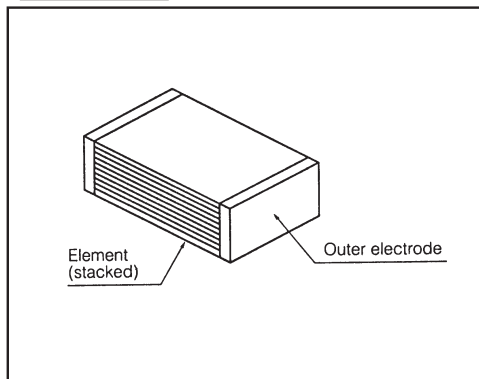
EXPLANATION OF PART NUMBERS



SPECIFICATIONS

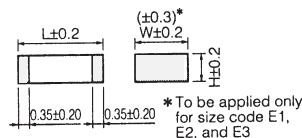
Operating Temperature Range	-55 to +105°C	
Rated Voltage	16 VDC, 50 VDC, 100 VDC	
Capacitance Range	0.001 to 0.47µF	
Capacitance Tolerance	±5% (J)	
Withstand Voltage	Between terminals: Rated voltage (VDC) x 175% 1 to 5 s	
Dissipation Factor	≤ 1.0% (20°C, 1kHz)	
Insulation Resistance	C ≤ 0.33µF	16 VDC: ≥3000 MΩ (20°C, 10VDC 60 s) 50 VDC: ≥3000 MΩ (20°C, 50VDC 60 s) 100 VDC: ≥3000MΩ (20°C, 100 VDC 60 s)
	C > 0.33µF	16 VDC: 1000MΩ • µF min. (20°C, 10 VDC 60 s)
Soldering Conditions	Reflow soldering: 240°C max. and 30 sec max. at more than 210°C (Temperature at capacitor surface)	

CONSTRUCTION

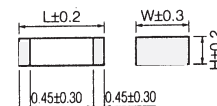


DIMENSIONS IN MM (not to scale)

- Size Code H1, H2, H3, G1, G2, G3, E1, E2, and E3



- Size Code D1, D2, and D3



Size Code	L	W	H
H1	3.2	1.6	0.8
H2	3.2	1.6	1.0
H3	3.2	1.6	1.4
G1	3.2	2.5	1.0
G2	3.2	2.5	1.4
G3	3.2	2.5	2.0
E1	4.8	3.3	1.4
E2	4.8	3.3	2.0
E3	4.8	3.3	2.8
D1	6.0	4.1	1.8
D2	6.0	4.1	2.0
D3	6.0	4.1	2.4

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RATING, DIMENSIONS & QUANTITY/REEL

Cap. μ F	Rating Voltage 16 VDC						Rating Voltage 50 VDC						Rating Voltage 100 VDC												
	Part No.	Dimensions			Code	Qty.	Part No.	Dimensions			Code	Qty.	Part No.	Dimensions			Code	Qty.							
		L	W	H				L	W	H				L	W	H									
0.001	Please use 16V rating for these values						Please use 50V rating for these values						CCWU1102JB5	3.2	1.6	1.0	H2	3000							
0.0012													CCWU1122JB5	3.2	1.6	1.0	H2								
0.0015													CCWU1152JB5	3.2	1.6	1.0	H2								
0.0018													CCWU1182JB5	3.2	1.6	1.0	H2								
0.0022													CCWU1222JB5	3.2	1.6	1.0	H2								
0.0027													CCWU1272JB5	3.2	1.6	1.0	H2								
0.0033	Please use 16V rating for these values						CCWU1H332JB5	3.2	1.6	0.8	H1	3000	CCWU1332JB5	3.2	1.6	1.4	H3	2000							
0.0039							CCWU1H392JB5	3.2	1.6	0.8	H1		CCWU1392JB5	3.2	1.6	1.4	H3								
0.0047							CCWU1H472JB5	3.2	1.6	0.8	H1		CCWU1472JB5	3.2	1.6	1.4	H3								
0.0056							CCWU1H562JB5	3.2	1.6	0.8	H1		CCWU1562JB5	3.2	2.5	1.4	G2								
0.0068							CCWU1H682JB5	3.2	1.6	0.8	H1		CCWU1682JB5	3.2	2.5	1.4	G2								
0.0082							CCWU1H822JB5	3.2	1.6	1.0	H2		CCWU1822JB5	3.2	2.5	2.0	G3								
0.01							CCWU1H103JB5	3.2	1.6	1.0	H2		CCWU1103JB5	3.2	2.5	2.0	G3								
0.012							CCWU1C123JB5	3.2	1.6	1.0	H2		CCWU1H123JB5	3.2	2.5	1.0	G1		2000	CCWU1123JB5	4.8	3.3	1.4	E1	3000
0.015							CCWU1C153JB5	3.2	1.6	1.0	H2		CCWU1H153JB5	3.2	2.5	1.0	G1			CCWU1153JB5	4.8	3.3	1.4	E1	
0.018							CCWU1C183JB5	3.2	1.6	1.0	H2		CCWU1H183JB5	3.2	2.5	1.4	G2			CCWU1183JB5	4.8	3.3	1.4	E1	
0.022	CCWU1C223JB5	3.2	1.6	1.0	H2	CCWU1H223JB5	3.2	2.5	1.4	G2	CCWU1223JB5	4.8	3.3	2.0	E2										
0.027	CCWU1C273JB5	3.2	1.6	1.0	H2	CCWU1H273JB5	3.2	2.5	1.4	G2	CCWU1273JB5	4.8	3.3	2.0	E2										
0.033	CCWU1C333JB5	3.2	1.6	1.4	H3	CCWU1H333JB5	3.2	2.5	2.0	G3	CCWU1333JB5	4.8	3.3	2.8	E3										
0.039	CCWU1C393JB5	3.2	1.6	1.4	H3	CCWU1H393JB5	3.2	2.5	2.0	G3	CCWU1393JB5	4.8	3.3	2.8	E3										
0.047	CCWU1C473JB5	3.2	1.6	1.4	H3	CCWU1H473JB5	3.2	2.5	2.0	G3	CCWU1473JB5	4.8	3.3	2.8	E3										
0.056	CCWU1C563JB5	3.2	2.5	1.4	G2	CCWU1H563JB5	4.8	3.3	1.4	E1	3000														
0.068	CCWU1C683JB5	3.2	2.5	1.4	G2	CCWU1H683JB5	4.8	3.3	1.4	E1															
0.082	CCWU1C823JB5	3.2	2.5	2.0	G3	CCWU1H823JB5	4.8	3.3	2.0	E2															
0.1	CCWU1C104JB5	3.2	2.5	2.0	G3	CCWU1H104JB5	4.8	3.3	2.0	E2															
0.12	CCWU1C124JB5	4.8	3.3	1.4	E1	CCWU1H124JB5	6.0	4.1	1.8	D1															
0.15	CCWU1C154JB5	4.8	3.3	1.4	E1	CCWU1H154JB5	6.0	4.1	1.8	D1															
0.18	CCWU1C184JB5	4.8	3.3	1.4	E1	CCWU1H184JB5	6.0	4.1	2.0	D2															
0.22	CCWU1C224JB5	4.8	3.3	2.0	E2	CCWU1H224JB5	6.0	4.1	2.4	D3			2000												
0.27	CCWU1C274JB5	6.0	4.1	1.8	D1																				
0.33	CCWU1C334JB5	6.0	4.1	1.8	D1																				
0.39	CCWU1C394JB5	6.0	4.1	2.0	D2																				
0.47	CCWU1C474JB5	6.0	4.1	2.4	D3																				

EXAMPLE FOR LAND DIMENSIONS IN MM

