

Stacked PPS Film Capacitors - High Grade

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

FEATURES

- Small in size (minimum size 2.0 x 1.25mm)
- 85°C, 85% RH, W.V. x 1.0 for 500 hours
- Applicable for both flow and reflow soldering

RECOMMENDED APPLICATIONS

- Time-constant
- Filtering
- Oscillation and resonance

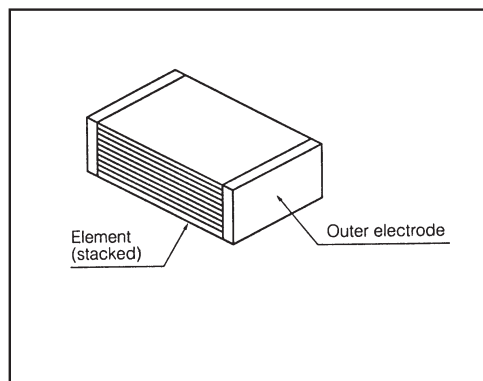
EXPLANATION OF PART NUMBERS

1	2	3	4	5	6	7	8	9	10	11	12
C	C	H	U							B	
Product Code		Dielectric & Construction		Rated Voltage 1C = 16 VDC 1H = 50 VDC		Nominal Capacitance			Cap. Tolerance G = ±2% J = ±5%	Suffix	Suffix Tape Width 5 = 8 mm 9 = 12mm

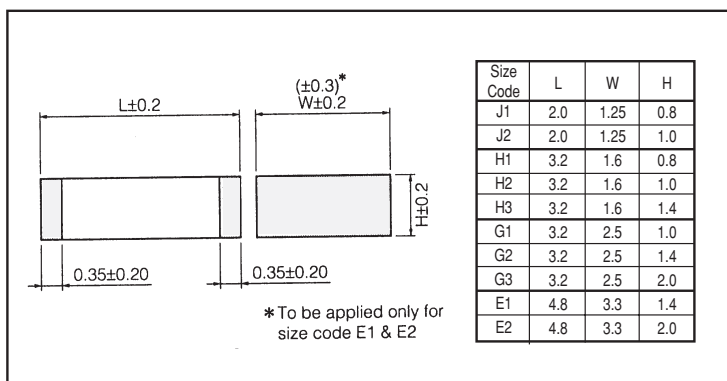
SPECIFICATIONS

Operating Temperature Range	-55 to +125°C
Rated Voltage	16 VDC, 50 VDC
Capacitance Range	0.0001 to 0.1μF (E12)
Capacitance Tolerance	±2% (G), ±5% (J)
Withstand Voltage	Between terminals: Rated voltage (VDC) x 175% 1 to 5 s
Dissipation Factor	≤ 0.6% (20°C, 1kHz)
Insulation Resistance	16 VDC: ≥3000 MΩ (20°C, 10VDC 60 s) 50 VDC: ≥3000 MΩ (20°C, 50VDC 60 s)
Soldering Conditions	Flow soldering: 260°C max. 5 sec max. Reflow soldering: 260°C max. and 30 sec max. at more than 230°C (Temperature at capacitor surface)

CONSTRUCTION



DIMENSIONS IN MM (not to scale)



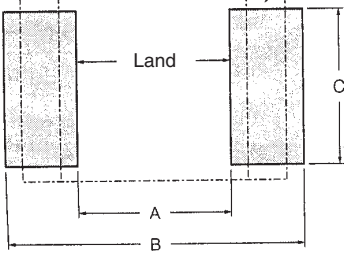
Stacked PPS Film Chip Capacitors - High Grade

RATING, DIMENSIONS & QUANTITY/REEL

Cap. μ F	Rating Voltage 16 VDC						Rating Voltage 50 VDC					
	Part No.	Dimensions			Code	Qty.	Part No.	Dimensions			Code	Qty.
		L	W	H				L	W	H		
0.0001	Please use 50 VDC rating for these values						CCHU1H101□B5	2.0	1.25	0.8	J1	3000
0.00012							CCHU1H121□B5	2.0	1.25	0.8	J1	
0.00015							CCHU1H151□B5	2.0	1.25	0.8	J1	
0.00018							CCHU1H181□B5	2.0	1.25	0.8	J1	
0.00022							CCHU1H221□B5	2.0	1.25	0.8	J1	
0.00027							CCHU1H271□B5	2.0	1.25	0.8	J1	
0.00033							CCHU1H331□B5	2.0	1.25	0.8	J1	
0.00039							CCHU1H391□B5	2.0	1.25	0.8	J1	
0.00047							CCHU1H471□B5	2.0	1.25	0.8	J1	
0.00056							CCHU1H561□B5	2.0	1.25	0.8	J1	
0.00068							CCHU1H681□B5	2.0	1.25	0.8	J1	
0.00082							CCHU1H821□B5	2.0	1.25	0.8	J1	
0.001							CCHU1H102□B5	2.0	1.25	0.8	J1	
0.0012							CCHU1H122□B5	2.0	1.25	0.8	J1	
0.0015							CCHU1H152□B5	2.0	1.25	0.8	J1	
0.0018							CCHU1H182□B5	2.0	1.25	0.8	J1	
0.0022							CCHU1H222□B5	2.0	1.25	0.8	J1	
0.0027							CCHU1H272□B5	2.0	1.25	0.8	J1	
0.0033	CCHU1C332□B5	2.0	1.25	0.8	J1	3000	CCHU1H332□B5	3.2	1.6	0.8	H1	2000
0.0039	CCHU1C392□B5	2.0	1.25	0.8	J1		CCHU1H392□B5	3.2	1.6	0.8	H1	
0.0047	CCHU1C472□B5	2.0	1.25	0.8	J1		CCHU1H472□B5	3.2	1.6	0.8	H1	
0.0056	CCHU1C562□B5	2.0	1.25	0.8	J1		CCHU1H562□B5	3.2	1.6	0.8	H1	
0.0068	CCHU1C682□B5	2.0	1.25	0.8	J1		CCHU1H682□B5	3.2	1.6	0.8	H1	
0.0082	CCHU1C822□B5	2.0	1.25	1.0	J2		CCHU1H822□B5	3.2	1.6	1.0	H2	
0.01	CCHU1C103□B5	2.0	1.25	1.0	J2		CCHU1H103□B5	3.2	1.6	1.0	H2	
0.012	CCHU1C123□B5	3.2	1.6	0.8	H1		CCHU1H123□B5	3.2	2.5	1.0	G1	
0.015	CCHU1C153□B5	3.2	1.6	0.8	H1		CCHU1H153□B5	3.2	2.5	1.0	G1	
0.018	CCHU1C183□B5	3.2	1.6	0.8	H1		CCHU1H183□B5	3.2	2.5	1.4	G2	
0.022	CCHU1C223□B5	3.2	1.6	0.8	H1	2000	CCHU1H223□B5	3.2	2.5	1.4	G2	3000
0.027	CCHU1C273□B5	3.2	1.6	1.0	H2		CCHU1H273□B5	3.2	2.5	1.4	G2	
0.033	CCHU1C333□B5	3.2	1.6	1.0	H2		CCHU1H333□B5	3.2	2.5	2.0	G3	
0.039	CCHU1C393□B5	3.2	1.6	1.4	H3		CCHU1H393□B5	3.2	2.5	2.0	G3	
0.047	CCHU1C473□B5	3.2	1.6	1.4	H3		CCHU1H473□B5	4.8	3.3	1.4	E1	
0.056	CCHU1C563□B5	3.2	2.5	1.4	G2		CCHU1H563□B5	4.8	3.3	1.4	E1	
0.068	CCHU1C683□B5	3.2	2.5	1.4	G2		CCHU1H683□B5	4.8	3.3	1.4	E1	
0.082	CCHU1C823□B5	3.2	2.5	2.0	G3		CCHU1H823□B5	4.8	3.3	2.0	E2	
0.1	CCHU1C104□B5	3.2	2.5	2.0	G3		CCHU1H104□B5	4.8	3.3	2.0	E2	

Capacitance Tolerance Code G, J

EXAMPLE FOR LAND DIMENSIONS IN MM

		Land Dimensions					
		Flow Soldering			Reflow Soldering		
		A	B	C	A	B	C
J1		1.0	2.7	1.1	1.0	2.7	1.1
J2		1.0	2.7	1.1	1.0	2.7	1.1
H1		2.2	3.8	1.4	2.2	3.8	1.4
H2		2.2	3.8	1.4	2.2	3.8	1.4
H3		2.2	3.8	1.4	2.2	3.8	1.4
G1		2.2	3.8	2.3	2.2	3.8	2.3
G2		2.2	3.8	2.3	2.2	3.8	2.3
G3		2.2	3.8	2.3	2.2	3.8	2.3
E1		2.6	6.6	3.0	2.6	6.6	3.0
E2		2.6	6.6	3.0	2.6	6.6	3.0