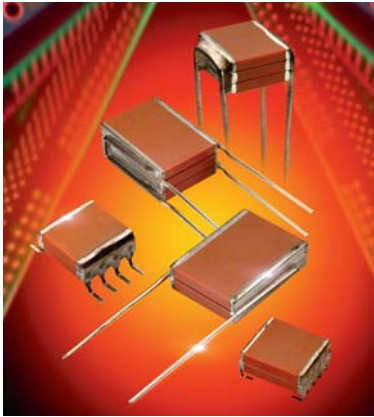


# Stacked Leaded MLC Capacitors

## CH-CV Series



10nF to 180  $\mu$ F  
 50V to 500 VDC  
 -55°C to +125°C  
 50-500V ESSC 3001/030

BS9100 approved  
 Low ESR/ESL  
 1B/C0G and 2C1/X7R Dielectrics  
 1-3kV ESSC 3001/034

This range allows SMPS engineers to select the best volumetric solution for input and output filter applications in high reliability designs. Utilizing advanced multilayer ceramic techniques to minimize ESR/ESL giving high current handling properties appropriate for filtering, smoothing and decoupling circuits. CH-CV series parts are qualified for ESA.

### HOW TO ORDER

<b>CV</b>	<b>52</b>	<b>5</b>	<b>C</b>	<b>106</b>	<b>M</b>	<b>G</b>	<b>3</b>	<b>0</b>	<b>A</b>	<b>2</b>
Style Code	Size Code	Voltage Code	Dielectric Code	Capacitance Code	Capacitance Tolerance	Specification Code	Finish Code	Lead Dia. Code	Lead Space Code	Lead Style Code
		5 = 50V 1 = 100V 2 = 200V 7 = 500V	A = C0G C = X7R	(2 significant digits + no. of zeros) Examples: 1 $\mu$ F = 105 10 $\mu$ F = 106 100 $\mu$ F = 107	J = $\pm$ 5% K = $\pm$ 10% M = $\pm$ 20% P = -0 +100%	A = Non-customized G = 9100	3 = Uncoated 8 = Coated (classified as uninsulated)	0 = Standard	A = Standard	2 = 2 Terminal 4 = 4 Terminal  This style is only available in 3 & 4 chip assemblies

<b>CH</b>	<b>52</b>	<b>5</b>	<b>C</b>	<b>106</b>	<b>M</b>	<b>G</b>	<b>3</b>	<b>0</b>	<b>A</b>	<b>0</b>
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### CAPACITANCE VALUE

		C0G		X7R	
		Min Cap $\mu$ F	Max Cap $\mu$ F	Min Cap $\mu$ F	Max Cap $\mu$ F
CH/CV41-44	50	0.068	0.39	1.8	12
	100	0.047	0.33	1.0	10
	200	0.033	0.27	0.33	2.2
	500	0.01	0.068	0.12	1.0
CH/CV51-54	50	0.12	0.68	3.9	22
	100	0.10	0.47	2.2	15
	200	0.068	0.39	0.68	3.9
	500	0.022	0.1	0.27	1.5
CH/CV61-64	50	0.22	1.2	6.8	39
	100	0.15	1.0	4.7	33
	200	0.12	0.68	1.0	10
	500	0.033	0.22	0.47	3.3
CH/CV71-74	50	0.39	2.2	12	68
	100	0.27	1.8	8.2	47
	200	0.22	1.2	2.2	12
	500	0.068	0.39	0.82	5.6
CH/CV76-79	50	0.39	2.2	12	68
	100	0.27	1.8	8.2	47
	200	0.22	1.2	2.2	12
	500	0.068	0.39	0.82	5.6
CH/CV81-84	50	0.39	2.7	15	82
	100	0.27	2.2	12	47
	200	0.22	1.8	2.2	12
	500	0.068	0.56	0.82	5.6
CH/CV86-89	50	0.68	3.9	22	120
	100	0.56	3.3	15	68
	200	0.39	2.7	3.9	27
	500	0.12	0.82	1.5	8.2
CH/CV91-94	50	1.2	5.6	39	180
	100	1.0	4.7	33	150
	200	0.82	3.9	8.2	39
	500	0.22	1.5	2.7	18

