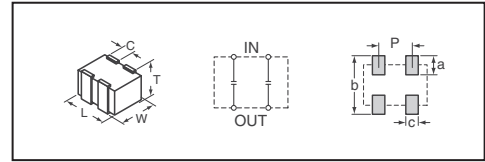




CKC Series 2-Element Multilayer Ceramic Chip Capacitor Array



Features: • Two capacitors are fitted in a single product, contributing to reduced installation costs • The electrostatic capacity range and shape are designed to meet the demands of the cellular phone market • Reduced crosstalk (signal interference) between the terminals
Applications: • They are suited for circuits that require multiple identical capacitors in a particular area of a board, such as interfaces and high-frequency noise bypass circuits on cellular phones, interfaces including I/O cables on PCs and peripherals, as well as CPU bus lines
Operating Temperatures: • COG (NP0) and X7R: -55°C ~ 125°C • X5R: -55°C ~ 85°C



Case Size	Dimensions (mm)							
	L	W	T	C	P	a	b	c
0504	1.37±0.15	1.0±0.15	0.9 max.	0.36±0.1	0.64±0.1	0.45	1.20	0.30
0805	2.0±0.15	1.25±0.15	1.0 max.	0.45±0.1	1.0±0.1	0.60	1.60	0.50

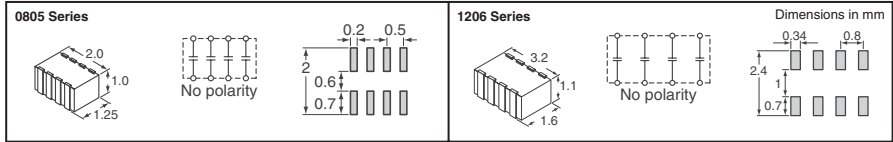
Case Size	Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		TDK Part No.		
						10	100	500		Qty.	Pricing			
0504	COG (NP0)	50	10pF	±1pF	445-1858-1-ND	.47	4.04	16.81	445-1858-2-ND	4,000	18.84/M	CKCM25C0G1H100F		
		50	15pF	±10%	445-1859-1-ND	.47	4.04	16.81	445-1859-2-ND	4,000	18.84/M	CKCM25C0G1H150K		
		50	22pF	±10%	445-1860-1-ND	.47	4.04	16.81	445-1860-2-ND	4,000	18.84/M	CKCM25C0G1H220K		
		50	33pF	±10%	445-1861-1-ND	.47	4.04	16.81	445-1861-2-ND	4,000	18.84/M	CKCM25C0G1H330K		
		50	47pF	±10%	445-1862-1-ND	.47	4.04	16.81	445-1862-2-ND	4,000	18.84/M	CKCM25C0G1H470K		
		50	68pF	±10%	445-1863-1-ND	.47	4.04	16.81	445-1863-2-ND	4,000	18.84/M	CKCM25C0G1H680K		
	X7R	50	1000pF	±20%	445-1865-1-ND	.47	4.04	16.81	445-1865-2-ND	4,000	18.84/M	CKCM25X7R1H102M		
		50	2200pF	±20%	445-1866-1-ND	.47	4.04	16.81	445-1866-2-ND	4,000	18.84/M	CKCM25X7R1H222M		
		25	4700pF	±20%	445-1867-1-ND	.47	4.04	16.81	445-1867-2-ND	4,000	18.84/M	CKCM25X7R1E472M		
		16	10000pF	±20%	445-1868-1-ND	.47	4.04	16.81	445-1868-2-ND	4,000	18.84/M	CKCM25X7R1C103M		
		X5R	10	22000pF	±20%	445-1869-1-ND	.54	4.65	19.41	445-1869-2-ND	4,000	21.73/M	CKCM25X5R1A223M	
			10	47000pF	±20%	445-1870-1-ND	.54	4.65	19.41	445-1870-2-ND	4,000	21.73/M	CKCM25X5R1A473M	
			6.3	10µF	±20%	445-1871-1-ND	.54	4.65	19.41	445-1871-2-ND	4,000	21.73/M	CKCM25X5R0J104M	
			6.3	22µF	±20%	445-1872-1-ND	.83	7.14	29.75	445-1872-2-ND	4,000	33.32/M	CKCM25X5R0J224M	
			6.3	47µF	±20%	445-1873-1-ND	.83	7.14	29.75	445-1873-2-ND	4,000	33.32/M	CKCM25X5R0J474M	
			6.3	10µF	±20%	445-1874-1-ND	.83	7.14	29.75	445-1874-2-ND	4,000	33.32/M	CKCM25X5R0J105M	
		0805	COG (NP0)	50	10pF	±1pF	445-1875-1-ND	.65	5.59	23.28	445-1875-2-ND	4,000	26.07/M	CKCL22C0G1H100F
				50	15pF	±10%	445-1876-1-ND	.65	5.59	23.28	445-1876-2-ND	4,000	26.07/M	CKCL22C0G1H150K
50	22pF			±10%	445-1877-1-ND	.65	5.59	23.28	445-1877-2-ND	4,000	26.07/M	CKCL22C0G1H220K		
50	33pF			±10%	445-1878-1-ND	.65	5.59	23.28	445-1878-2-ND	4,000	26.07/M	CKCL22C0G1H330K		
50	47pF			±10%	445-1879-1-ND	.65	5.59	23.28	445-1879-2-ND	4,000	26.07/M	CKCL22C0G1H470K		
50	68pF			±10%	445-1880-1-ND	.65	5.59	23.28	445-1880-2-ND	4,000	26.07/M	CKCL22C0G1H680K		
X7R	50		100pF	±10%	445-1881-1-ND	.65	5.59	23.28	445-1881-2-ND	4,000	26.07/M	CKCL22C0G1H101K		
	50		150pF	±10%	445-1882-1-ND	.73	6.21	25.87	445-1882-2-ND	4,000	28.97/M	CKCL22C0G1H151K		
	50		220pF	±10%	445-1883-1-ND	.73	6.21	25.87	445-1883-2-ND	4,000	28.97/M	CKCL22C0G1H221K		
	50		330pF	±10%	445-1884-1-ND	.80	6.83	28.45	445-1884-2-ND	4,000	31.87/M	CKCL22C0G1H331K		
	50		470pF	±10%	445-1885-1-ND	.80	6.83	28.45	445-1885-2-ND	4,000	31.87/M	CKCL22C0G1H471K		
	X5R		50	1000pF	±20%	445-1886-1-ND	.65	5.59	23.28	445-1886-2-ND	4,000	26.07/M	CKCL22X7R1H102M	
			50	2200pF	±20%	445-1887-1-ND	.65	5.59	23.28	445-1887-2-ND	4,000	26.07/M	CKCL22X7R1H222M	
			50	4700pF	±20%	445-1888-1-ND	.65	5.59	23.28	445-1888-2-ND	4,000	26.07/M	CKCL22X7R1H472M	
			50	10000pF	±20%	445-1889-1-ND	.65	5.59	23.28	445-1889-2-ND	4,000	26.07/M	CKCL22X7R1H103M	
			25	22000pF	±20%	445-1890-1-ND	.65	5.59	23.28	445-1890-2-ND	4,000	26.07/M	CKCL22X7R1E223M	
			16	47000pF	±20%	445-1891-1-ND	.73	6.21	25.87	445-1891-2-ND	4,000	28.97/M	CKCL22X7R1E473M	
	X5R		50	10µF	±20%	445-1892-1-ND	.73	6.21	25.87	445-1892-2-ND	4,000	28.97/M	CKCL22X7R1C104M	
10		22µF	±20%	445-1893-1-ND	.83	7.14	29.75	445-1893-2-ND	4,000	33.32/M	CKCL22X5R0J104M			
6.3		47µF	±20%	445-1894-1-ND	.83	7.14	29.75	445-1894-2-ND	4,000	33.32/M	CKCL22X5R0J474M			
6.3		10µF	±20%	445-1895-1-ND	.91	7.76	32.34	445-1895-2-ND	4,000	36.22/M	CKCL22X5R0J105M			



CKC Series 4-Element Multilayer Ceramic Chip Capacitor Array



Features: • The CKC Series are integrated, single-chip, 4-element capacitors that are highly effective in EMC countermeasure applications • They are particularly effective when used as a bypass for digital signal line noise, thereby preventing EMC around connectors
Applications: • For use as a bypass for digital and analog signal line noise generated by telecommunications equipment and other common electronic circuits
Operating Temperatures: • COG (NP0) and X7R: -55°C ~ 125°C • X5R: -55°C ~ 85°C



Case Size	Type	WV DC	Capacitance	Tolerance	Digi-Key Part No.	Cut Tape Pricing			Digi-Key Part No.	Tape and Reel		TDK Part No.	
						10	100	500		Qty.	Pricing		
0805	COG (NP0)	50	10pF	±1pF	445-1822-1-ND	.65	5.59	23.28	445-1822-2-ND	4,000	26.07/M	CKCL44C0G1H100F	
		50	15pF	±10%	445-1823-1-ND	.65	5.59	23.28	445-1823-2-ND	4,000	26.07/M	CKCL44C0G1H150K	
		50	22pF	±10%	445-1824-1-ND	.65	5.59	23.28	445-1824-2-ND	4,000	26.07/M	CKCL44C0G1H220K	
		50	33pF	±10%	445-1825-1-ND	.65	5.59	23.28	445-1825-2-ND	4,000	26.07/M	CKCL44C0G1H330K	
		50	47pF	±10%	445-1826-1-ND	.65	5.59	23.28	445-1826-2-ND	4,000	26.07/M	CKCL44C0G1H470K	
		50	68pF	±10%	445-1827-1-ND	.65	5.59	23.28	445-1827-2-ND	4,000	26.07/M	CKCL44C0G1H680K	
	X7R	50	100pF	±10%	445-1828-1-ND	.65	5.59	23.28	445-1828-2-ND	4,000	26.07/M	CKCL44C0G1H101K	
		50	150pF	±10%	445-1829-1-ND	.65	5.59	23.28	445-1829-2-ND	4,000	26.07/M	CKCL44C0G1H151K	
		50	220pF	±20%	445-1830-1-ND	.65	5.59	23.28	445-1830-2-ND	4,000	26.07/M	CKCL44X7R1H221M	
		50	470pF	±20%	445-1831-1-ND	.65	5.59	23.28	445-1831-2-ND	4,000	26.07/M	CKCL44X7R1H471M	
		50	1000pF	±20%	445-1832-1-ND	.65	5.59	23.28	445-1832-2-ND	4,000	26.07/M	CKCL44X7R1H102M	
		50	2200pF	±20%	445-1833-1-ND	.65	5.59	23.28	445-1833-2-ND	4,000	26.07/M	CKCL44X7R1H222M	
		50	4700pF	±20%	445-1834-1-ND	.65	5.59	23.28	445-1834-2-ND	4,000	26.07/M	CKCL44X7R1H472M	
		X5R	25	10000pF	±20%	445-1835-1-ND	.65	5.59	23.28	445-1835-2-ND	4,000	26.07/M	CKCL44X7R1E103M
			16	22000pF	±20%	445-1836-1-ND	.73	6.21	25.87	445-1836-2-ND	4,000	28.97/M	CKCL44X7R1C223M
			10	47000pF	±20%	445-1837-1-ND	.73	6.21	25.87	445-1837-2-ND	4,000	28.97/M	CKCL44X5R0J104M
			6.3	10µF	±20%	445-1838-1-ND	.83	7.14	29.75	445-1838-2-ND	4,000	33.32/M	CKCL44X5R0J104M
			1206	COG (NP0)	50	10pF	±1pF	445-1839-1-ND	.73	6.21	25.87	445-1839-2-ND	2,000
50	15pF				±10%	445-1840-1-ND	.73	6.21	25.87	445-1840-2-ND	2,000	28.97/M	CKCA43C0G1H150K
50	22pF	±10%			445-1841-1-ND	.73	6.21	25.87	445-1841-2-ND	2,000	28.97/M	CKCA43C0G1H220K	
50	33pF	±10%			445-1842-1-ND	.73	6.21	25.87	445-1842-2-ND	2,000	28.97/M	CKCA43C0G1H330K	
50	47pF	±10%			445-1843-1-ND	.73	6.21	25.87	445-1843-2-ND	2,000	28.97/M	CKCA43C0G1H470K	
50	68pF	±10%			445-1844-1-ND	.73	6.21	25.87	445-1844-2-ND	2,000	28.97/M	CKCA43C0G1H680K	
X7R	50	100pF		±10%	445-1845-1-ND	.73	6.21	25.87	445-1845-2-ND	2,000	28.97/M	CKCA43C0G1H101K	
	50	150pF		±10%	445-1846-1-ND	.73	6.21	25.87	445-1846-2-ND	2,000	28.97/M	CKCA43C0G1H151K	
	50	220pF		±10%	445-1847-1-ND	.73	6.21	25.87	445-1847-2-ND	2,000	28.97/M	CKCA43C0G1H221K	
	50	330pF		±10%	445-1848-1-ND	.80	6.83	28.45	445-1848-2-ND	2,000	31.87/M	CKCA43C0G1H331K	
	50	470pF		±10%	445-1849-1-ND	.80	6.83	28.45	445-1849-2-ND	2,000	31.87/M	CKCA43C0G1H471K	
	50	470pF		±20%	445-1850-1-ND	.73	6.21	25.87	445-1850-2-ND	2,000	28.97/M	CKCA43X7R1H471M	
X5R	50	1000pF	±20%	445-1851-1-ND	.73	6.21	25.87	445-1851-2-ND	2,000	28.97/M	CKCA43X7R1H102M		
	50	2200pF	±20%	445-1852-1-ND	.73	6.21	25.87	445-1852-2-ND	2,000	28.97/M	CKCA43X7R1H222M		
	50	4700pF	±20%	445-1853-1-ND	.73	6.21	25.87	445-1853-2-ND	2,000	28.97/M	CKCA43X7R1H472M		
	50	10000pF	±20%	445-1854-1-ND	.73	6.21	25.87	445-1854-2-ND	2,000	28.97/M	CKCA43X7R1H103M		
	50	22000pF	±20%	445-1855-1-ND	.83	7.14	29.75	445-1855-2-ND	2,000	33.32/M	CKCA43X7R1E223M		
	25	47000pF	±20%	445-1856-1-ND	.83	7.14	29.75	445-1856-2-ND	2,000	33.32/M	CKCA43X7R1E473M		
	16	10µF	±20%	445-1857-1-ND	.91	7.76	32.34	445-1857-2-ND	2,000	36.22/M	CKCA43X7R1C104M		

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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