



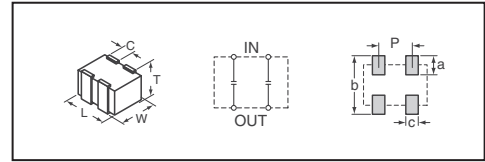
CKC Series 2-Element Multilayer Ceramic Chip Capacitor Array



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 | .65 | 5.56 | 23.16 | 445-1858-2-ND | 4,000 | 25.95/M | CKCM25C0G1H100F | | |
| | | 50 | 15pF | ±10% | 445-1859-1-ND | .65 | 5.56 | 23.16 | 445-1859-2-ND | 4,000 | 25.95/M | CKCM25C0G1H150K | | |
| | | 50 | 22pF | ±10% | 445-1860-1-ND | .65 | 5.56 | 23.16 | 445-1860-2-ND | 4,000 | 25.95/M | CKCM25C0G1H220K | | |
| | | 50 | 33pF | ±10% | 445-1861-1-ND | .65 | 5.56 | 23.16 | 445-1861-2-ND | 4,000 | 25.95/M | CKCM25C0G1H330K | | |
| | | 50 | 47pF | ±10% | 445-1862-1-ND | .65 | 5.56 | 23.16 | 445-1862-2-ND | 4,000 | 25.95/M | CKCM25C0G1H470K | | |
| | | 50 | 68pF | ±10% | 445-1863-1-ND | .65 | 5.56 | 23.16 | 445-1863-2-ND | 4,000 | 25.95/M | CKCM25C0G1H680K | | |
| | X7R | 50 | 1000pF | ±20% | 445-1865-1-ND | .65 | 5.56 | 23.16 | 445-1865-2-ND | 4,000 | 25.95/M | CKCM25X7R1H102M | | |
| | | 50 | 2200pF | ±20% | 445-1866-1-ND | .65 | 5.56 | 23.16 | 445-1866-2-ND | 4,000 | 25.95/M | CKCM25X7R1H222M | | |
| | | 25 | 4700pF | ±20% | 445-1867-1-ND | .65 | 5.56 | 23.16 | 445-1867-2-ND | 4,000 | 25.95/M | CKCM25X7R1E472M | | |
| | | 16 | 10000pF | ±20% | 445-1868-1-ND | .65 | 5.56 | 23.16 | 445-1868-2-ND | 4,000 | 25.95/M | CKCM25X7R1C103M | | |
| | | X5R | 10 | 22000pF | ±20% | 445-1869-1-ND | .75 | 6.41 | 26.73 | 445-1869-2-ND | 4,000 | 29.94/M | CKCM25X5R1A223M | |
| | | | 10 | 47000pF | ±20% | 445-1870-1-ND | .75 | 6.41 | 26.73 | 445-1870-2-ND | 4,000 | 29.94/M | CKCM25X5R1A473M | |
| | | | 6.3 | 10µF | ±20% | 445-1871-1-ND | .75 | 6.41 | 26.73 | 445-1871-2-ND | 4,000 | 29.94/M | CKCM25X5R0J104M | |
| | | | 6.3 | 22µF | ±20% | 445-1872-1-ND | 1.15 | 9.83 | 40.98 | 445-1872-2-ND | 4,000 | 45.90/M | CKCM25X5R0J224M | |
| | | | 6.3 | 47µF | ±20% | 445-1873-1-ND | 1.15 | 9.83 | 40.98 | 445-1873-2-ND | 4,000 | 45.90/M | CKCM25X5R0J474M | |
| | | | 6.3 | 1.0µF | ±20% | 445-1874-1-ND | 1.15 | 9.83 | 40.98 | 445-1874-2-ND | 4,000 | 45.90/M | CKCM25X5R0J105M | |
| | | 0805 | COG (NP0) | 50 | 10pF | ±1pF | 445-1875-1-ND | .90 | 7.70 | 32.06 | 445-1875-2-ND | 4,000 | 35.91/M | CKCL22C0G1H100F |
| | | | | 50 | 15pF | ±10% | 445-1876-1-ND | .90 | 7.70 | 32.06 | 445-1876-2-ND | 4,000 | 35.91/M | CKCL22C0G1H150K |
| 50 | 22pF | | | ±10% | 445-1877-1-ND | .90 | 7.70 | 32.06 | 445-1877-2-ND | 4,000 | 35.91/M | CKCL22C0G1H220K | | |
| 50 | 33pF | | | ±10% | 445-1878-1-ND | .90 | 7.70 | 32.06 | 445-1878-2-ND | 4,000 | 35.91/M | CKCL22C0G1H330K | | |
| 50 | 47pF | | | ±10% | 445-1879-1-ND | .90 | 7.70 | 32.06 | 445-1879-2-ND | 4,000 | 35.91/M | CKCL22C0G1H470K | | |
| 50 | 68pF | | | ±10% | 445-1880-1-ND | .90 | 7.70 | 32.06 | 445-1880-2-ND | 4,000 | 35.91/M | CKCL22C0G1H680K | | |
| X7R | 50 | | 1000pF | ±20% | 445-1881-1-ND | .90 | 7.70 | 32.06 | 445-1881-2-ND | 4,000 | 35.91/M | CKCL22X7R1H102M | | |
| | 50 | | 2200pF | ±20% | 445-1882-1-ND | 1.00 | 8.55 | 35.63 | 445-1882-2-ND | 4,000 | 39.90/M | CKCL22X7R1H222M | | |
| | 50 | | 1500pF | ±10% | 445-1883-1-ND | 1.00 | 8.55 | 35.63 | 445-1883-2-ND | 4,000 | 39.90/M | CKCL22X7R1H151K | | |
| | 50 | | 220pF | ±10% | 445-1883-2-ND | 1.00 | 8.55 | 35.63 | 445-1883-2-ND | 4,000 | 39.90/M | CKCL22C0G1H221K | | |
| | 50 | | 330pF | ±10% | 445-1884-1-ND | 1.10 | 9.41 | 39.19 | 445-1884-2-ND | 4,000 | 43.89/M | CKCL22C0G1H331K | | |
| | 50 | | 470pF | ±10% | 445-1885-1-ND | 1.10 | 9.41 | 39.19 | 445-1885-2-ND | 4,000 | 43.89/M | CKCL22C0G1H471K | | |
| | X5R | | 10 | 22000pF | ±20% | 445-1886-1-ND | .90 | 7.70 | 32.06 | 445-1886-2-ND | 4,000 | 35.91/M | CKCL22X7R1H102M | |
| | | | 10 | 47000pF | ±20% | 445-1887-1-ND | .90 | 7.70 | 32.06 | 445-1887-2-ND | 4,000 | 35.91/M | CKCL22X7R1H222M | |
| | | | 50 | 4700pF | ±20% | 445-1888-1-ND | .90 | 7.70 | 32.06 | 445-1888-2-ND | 4,000 | 35.91/M | CKCL22X7R1H472M | |
| | | | 50 | 10000pF | ±20% | 445-1889-1-ND | .90 | 7.70 | 32.06 | 445-1889-2-ND | 4,000 | 35.91/M | CKCL22X7R1H103M | |
| | | | 25 | 22000pF | ±20% | 445-1890-1-ND | .90 | 7.70 | 32.06 | 445-1890-2-ND | 4,000 | 35.91/M | CKCL22X7R1E223M | |
| | | | 16 | 47000pF | ±20% | 445-1891-1-ND | 1.00 | 8.55 | 35.63 | 445-1891-2-ND | 4,000 | 39.90/M | CKCL22X7R1E473M | |
| X7R | 50 | 1000pF | ±20% | 445-1892-1-ND | 1.00 | 8.55 | 35.63 | 445-1892-2-ND | 4,000 | 39.90/M | CKCL22X7R1C104M | | | |
| | 10 | 22µF | ±20% | 445-1893-1-ND | 1.15 | 9.83 | 40.98 | 445-1893-2-ND | 4,000 | 45.90/M | CKCL22X5R1A224M | | | |
| | 6.3 | 47µF | ±20% | 445-1894-1-ND | 1.15 | 9.83 | 40.98 | 445-1894-2-ND | 4,000 | 45.90/M | CKCL22X5R0J474M | | | |
| | 6.3 | 1.0µF | ±20% | 445-1895-1-ND | 1.25 | 10.69 | 44.54 | 445-1895-2-ND | 4,000 | 49.89/M | CKCL22X5R0J105M | | | |

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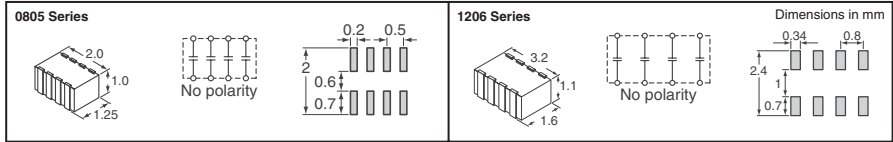
CKC Series 4-Element Multilayer Ceramic Chip Capacitor Array



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 | .90 | 7.70 | 32.06 | 445-1822-2-ND | 4,000 | 35.91/M | CKCL44C0G1H100F | |
| | | 50 | 15pF | ±10% | 445-1823-1-ND | .90 | 7.70 | 32.06 | 445-1823-2-ND | 4,000 | 35.91/M | CKCL44C0G1H150K | |
| | | 50 | 22pF | ±10% | 445-1824-1-ND | .90 | 7.70 | 32.06 | 445-1824-2-ND | 4,000 | 35.91/M | CKCL44C0G1H220K | |
| | | 50 | 33pF | ±10% | 445-1825-1-ND | .90 | 7.70 | 32.06 | 445-1825-2-ND | 4,000 | 35.91/M | CKCL44C0G1H330K | |
| | | 50 | 47pF | ±10% | 445-1826-1-ND | .90 | 7.70 | 32.06 | 445-1826-2-ND | 4,000 | 35.91/M | CKCL44C0G1H470K | |
| | | 50 | 68pF | ±10% | 445-1827-1-ND | .90 | 7.70 | 32.06 | 445-1827-2-ND | 4,000 | 35.91/M | CKCL44C0G1H680K | |
| | X7R | 50 | 1000pF | ±20% | 445-1828-1-ND | .90 | 7.70 | 32.06 | 445-1828-2-ND | 4,000 | 35.91/M | CKCL44C0G1H101K | |
| | | 50 | 150pF | ±10% | 445-1829-1-ND | .90 | 7.70 | 32.06 | 445-1829-2-ND | 4,000 | 35.91/M | CKCL44C0G1H151K | |
| | | 50 | 220pF | ±20% | 445-1830-1-ND | .90 | 7.70 | 32.06 | 445-1830-2-ND | 4,000 | 35.91/M | CKCL44X7R1H221M | |
| | | 50 | 470pF | ±20% | 445-1831-1-ND | .90 | 7.70 | 32.06 | 445-1831-2-ND | 4,000 | 35.91/M | CKCL44X7R1H471M | |
| | | 50 | 1000pF | ±20% | 445-1832-1-ND | .90 | 7.70 | 32.06 | 445-1832-2-ND | 4,000 | 35.91/M | CKCL44X7R1H102M | |
| | | 50 | 2200pF | ±20% | 445-1833-1-ND | .90 | 7.70 | 32.06 | 445-1833-2-ND | 4,000 | 35.91/M | CKCL44X7R1H222M | |
| | | 50 | 4700pF | ±20% | 445-1834-1-ND | .90 | 7.70 | 32.06 | 445-1834-2-ND | 4,000 | 35.91/M | CKCL44X7R1H472M | |
| | | X5R | 25 | 10000pF | ±20% | 445-1835-1-ND | .90 | 7.70 | 32.06 | 445-1835-2-ND | 4,000 | 35.91/M | CKCL44X7R1E103M |
| | | | 16 | 22000pF | ±20% | 445-1836-1-ND | 1.00 | 8.55 | 35.63 | 445-1836-2-ND | 4,000 | 39.90/M | CKCL44X7R1C223M |
| | | | 10 | 47000pF | ±20% | 445-1837-1-ND | 1.00 | 8.55 | 35.63 | 445-1837-2-ND | 4,000 | 39.90/M | CKCL44X5R1A473M |
| | | | 6.3 | 22000pF | ±20% | 445-1838-1-ND | 1.15 | 9.83 | 40.98 | 445-1838-2-ND | 4,000 | 45.90/M | CKCL44X5R0J104M |
| | | | 1206 | COG (NP0) | 50 | 10pF | ±1pF | 445-1839-1-ND | 1.00 | 8.55 | 35.63 | 445-1839-2-ND | 2,000 |
| 50 | 15pF | | | | ±10% | 445-1840-1-ND | 1.00 | 8.55 | 35.63 | 445-1840-2-ND | 2,000 | 39.90/M | CKCA43C0G1H150K |
| 50 | 22pF | ±10% | | | 445-1841-1-ND | 1.00 | 8.55 | 35.63 | 445-1841-2-ND | 2,000 | 39.90/M | CKCA43C0G1H220K | |
| 50 | 33pF | ±10% | | | 445-1842-1-ND | 1.00 | 8.55 | 35.63 | 445-1842-2-ND | 2,000 | 39.90/M | CKCA43C0G1H330K | |
| 50 | 47pF | ±10% | | | 445-1843-1-ND | 1.00 | 8.55 | 35.63 | 445-1843-2-ND | 2,000 | 39.90/M | CKCA43C0G1H470K | |
| 50 | 68pF | ±10% | | | 445-1844-1-ND | 1.00 | 8.55 | 35.63 | 445-1844-2-ND | 2,000 | 39.90/M | CKCA43C0G1H680K | |
| X7R | 50 | 100pF | | ±10% | 445-1845-1-ND | 1.00 | 8.55 | 35.63 | 445-1845-2-ND | 2,000 | 39.90/M | CKCA43C0G1H101K | |
| | 50 | 150pF | | ±10% | 445-1846-1-ND | 1.00 | 8.55 | 35.63 | 445-1846-2-ND | 2,000 | 39.90/M | CKCA43C0G1H151K | |
| | 50 | 220pF | | ±10% | 445-1847-1-ND | 1.00 | 8.55 | 35.63 | 445-1847-2-ND | 2,000 | 39.90/M | CKCA43C0G1H221K | |
| | 50 | 330pF | | ±10% | 445-1848-1-ND | 1.10 | 9.41 | 39.19 | 445-1848-2-ND | 2,000 | 43.89/M | CKCA43C0G1H331K | |
| | 50 | 470pF | | ±10% | 445-1849-1-ND | 1.10 | 9.41 | 39.19 | 445-1849-2-ND | 2,000 | 43.89/M | CKCA43C0G1H471K | |
| | 50 | 470pF | | ±20% | 445-1850-1-ND | 1.00 | 8.55 | 35.63 | 445-1850-2-ND | 2,000 | 39.90/M | CKCA43X7R1H471M | |
| | 50 | 1000pF | | ±20% | 445-1851-1-ND | 1.00 | 8.55 | 35.63 | 445-1851-2-ND | 2,000 | 39.90/M | CKCA43X7R1H102M | |
| | 50 | 2200pF | | ±20% | 445-1852-1-ND | 1.00 | 8.55 | 35.63 | 445-1852-2-ND | 2,000 | 39.90/M | CKCA43X7R1H222M | |
| | 50 | 4700pF | | ±20% | 445-1853-1-ND | 1.00 | 8.55 | 35.63 | 445-1853-2-ND | 2,000 | 39.90/M | CKCA43X7R1H472M | |
| | 50 | 10000pF | | ±20% | 445-1854-1-ND | 1.00 | 8.55 | 35.63 | 445-1854-2-ND | 2,000 | 39.90/M | CKCA43X7R1H103M | |
| | X5R | 25 | | 22000pF | ±20% | 445-1855-1-ND | 1.15 | 9.83 | 40.98 | 445-1855-2-ND | 2,000 | 45.89/M | CKCA43X7R1H223M |
| | | 16 | | 47000pF | ±20% | 445-1856-1-ND | 1.15 | 9.83 | 40.98 | 445-1856-2-ND | 2,000 | 45.89/M | CKCA43X7R1E473M |
| 16 | | | | | | | | | | | | | |