

TAIYO YUDEN Multilayer Ceramic Chip Capacitors

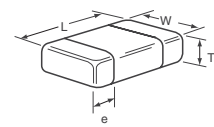


Features: The use of Nickel (Ni) as material for both the internal and external electrodes improves the solderability and heat resistance characteristics. This almost completely eliminates migration and raises the level of reliability significantly. Low equivalent series resistance (ESR) provides excellent noise absorption characteristics. Compared to tantalum or aluminum electrolytic capacitors, these ceramic capacitors offer a number of excellent features, including: • Higher permissible ripple current values • Smaller case sizes relative to rated voltage • Improved reliability due to higher insulation resistance and breakdown voltage

Operating Temperature Range: • C0G: -55° - 125°C • X7R: -55° - 125°C • X7S: -55° - 125°C • X5R: -55° - 85°C • X5S: -55° - 85°C • Y5V: -30° - 85°C

| Size Code | Dimensions (mm) | | |
|-----------|-----------------|------|------|
| | L | W | e |
| 01005 | 0.4 | 0.2 | 0.1 |
| 0201 | 0.6 | 0.3 | 0.15 |
| 0306 | 1.60 | 0.80 | 0.35 |
| 0402 | 1.00 | 0.50 | 0.25 |
| 0508 | 2.00 | 1.25 | 0.50 |
| 0603 | 1.60 | 0.90 | 0.35 |

| Size Code | Dimensions (mm) | | |
|-----------|-----------------|------|------|
| | L | W | e |
| 0612 | 3.20 | 1.60 | 0.30 |
| 0805 | 2.00 | 1.25 | 0.50 |
| 1206 | 3.20 | 1.60 | 0.50 |
| 1210 | 3.20 | 2.50 | 0.60 |
| 1812 | 4.50 | 3.20 | 0.90 |



| Size Code | Type | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. |
|-----------|-----------|---------|---------------|---------------|------------------|-------------------|------------------|---------------|---------------|-------------------|-----------------|-----------------|----------------------|
| | | | | | | | 10 | 100 | 500 | | Qty. | Pricing | |
| 01005 | C0G (NP0) | 16 | 0.5pF | ±0.25pF | 0.2 | 587-2106-1-ND | 1.68 | 9.91 | 28.59 | 587-2106-2-ND | 15,000 | 27.59/M | EMK042CG0R5CC-F |
| | | | 1.0pF | ±0.25pF | 0.2 | 587-2107-1-ND | 1.68 | 9.91 | 28.59 | 587-2107-2-ND | 15,000 | 27.59/M | EMK042CG010CC-F |
| | | | 1.2pF | ±0.25pF | 0.2 | 587-2108-1-ND | 1.68 | 9.91 | 28.59 | 587-2108-2-ND | 15,000 | 27.59/M | EMK042CG1R2CC-F |
| | | | 1.5pF | ±0.25pF | 0.2 | 587-2109-1-ND | 1.68 | 9.91 | 28.59 | 587-2109-2-ND | 15,000 | 27.59/M | EMK042CG1R5CC-F |
| | | | 1.8pF | ±0.25pF | 0.2 | 587-2110-1-ND | 1.68 | 9.91 | 28.59 | 587-2110-2-ND | 15,000 | 27.59/M | EMK042CG1R8CC-F |
| | | | 2.0pF | ±0.25pF | 0.2 | 587-2111-1-ND | 1.68 | 9.91 | 28.59 | 587-2111-2-ND | 15,000 | 27.59/M | EMK042CG020CC-F |
| | | | 2.2pF | ±0.25pF | 0.2 | 587-2112-1-ND | 1.68 | 9.91 | 28.59 | 587-2112-2-ND | 15,000 | 27.59/M | EMK042CG2R2CC-F |
| | | | 2.7pF | ±0.25pF | 0.2 | 587-2113-1-ND | 1.68 | 9.91 | 28.59 | 587-2113-2-ND | 15,000 | 27.59/M | EMK042CG2R7CC-F |
| | | | 3.0pF | ±0.25pF | 0.2 | 587-2114-1-ND | 1.68 | 9.91 | 28.59 | 587-2114-2-ND | 15,000 | 27.59/M | EMK042CG030CC-F |
| | | | 3.3pF | ±0.25pF | 0.2 | 587-2115-1-ND | 1.68 | 9.91 | 28.59 | 587-2115-2-ND | 15,000 | 27.59/M | EMK042CG3R3CC-F |
| | | | 3.9pF | ±0.25pF | 0.2 | 587-2116-1-ND | 1.68 | 9.91 | 28.59 | 587-2116-2-ND | 15,000 | 27.59/M | EMK042CG3R9CC-F |
| | | | 4.0pF | ±0.25pF | 0.2 | 587-2117-1-ND | 1.68 | 9.91 | 28.59 | 587-2117-2-ND | 15,000 | 27.59/M | EMK042CG040CC-F |
| | | | 4.7pF | ±0.25pF | 0.2 | 587-2118-1-ND | 1.68 | 9.91 | 28.59 | 587-2118-2-ND | 15,000 | 27.59/M | EMK042CG4R7CC-F |
| | | | 5.0pF | ±0.25pF | 0.2 | 587-2119-1-ND | 1.68 | 9.91 | 28.59 | 587-2119-2-ND | 15,000 | 27.59/M | EMK042CG050CC-F |
| | | | 5.6pF | ±0.5pF | 0.2 | 587-2120-1-ND | 1.68 | 9.91 | 28.59 | 587-2120-2-ND | 15,000 | 27.59/M | EMK042CG5R6DC-F |
| | | | 6.0pF | ±0.5pF | 0.2 | 587-2121-1-ND | 1.68 | 9.91 | 28.59 | 587-2121-2-ND | 15,000 | 27.59/M | EMK042CG060DC-F |
| | | | 6.8pF | ±0.5pF | 0.2 | 587-2122-1-ND | 1.68 | 9.91 | 28.59 | 587-2122-2-ND | 15,000 | 27.59/M | EMK042CG6R8DC-F |
| | | | 7.0pF | ±0.5pF | 0.2 | 587-2123-1-ND | 1.68 | 9.91 | 28.59 | 587-2123-2-ND | 15,000 | 27.59/M | EMK042CG070DC-F |
| | | | 8.0pF | ±0.5pF | 0.2 | 587-2124-1-ND | 1.68 | 9.91 | 28.59 | 587-2124-2-ND | 15,000 | 27.59/M | EMK042CG080DC-F |
| | | | 8.2pF | ±0.5pF | 0.2 | 587-2125-1-ND | 1.68 | 9.91 | 28.59 | 587-2125-2-ND | 15,000 | 27.59/M | EMK042CG8R2DC-F |
| | 9.0pF | ±0.5pF | 0.2 | 587-2126-1-ND | 1.68 | 9.91 | 28.59 | 587-2126-2-ND | 15,000 | 27.59/M | EMK042CG090DC-F | | |
| | 10pF | ±0.5pF | 0.2 | 587-2127-1-ND | 1.68 | 9.91 | 28.59 | 587-2127-2-ND | 15,000 | 27.59/M | EMK042CG100DC-F | | |
| | 12pF | ±5% | 0.2 | 587-2128-1-ND | 1.68 | 9.91 | 28.59 | 587-2128-2-ND | 15,000 | 27.59/M | EMK042CG120JC-F | | |
| | 15pF | ±5% | 0.2 | 587-2129-1-ND | 1.68 | 9.91 | 28.59 | 587-2129-2-ND | 15,000 | 27.59/M | EMK042CG150JC-F | | |
| | 18pF | ±5% | 0.2 | 587-2130-1-ND | 1.68 | 9.91 | 28.59 | 587-2130-2-ND | 15,000 | 27.59/M | EMK042CG180JC-F | | |
| | 22pF | ±5% | 0.2 | 587-2131-1-ND | 1.68 | 9.91 | 28.59 | 587-2131-2-ND | 15,000 | 27.59/M | EMK042CG220JC-F | | |
| | 27pF | ±5% | 0.2 | 587-2132-1-ND | 1.68 | 9.91 | 28.59 | 587-2132-2-ND | 15,000 | 27.59/M | EMK042CG270JC-F | | |
| | 33pF | ±5% | 0.2 | 587-2133-1-ND | 1.68 | 9.91 | 28.59 | 587-2133-2-ND | 15,000 | 27.59/M | EMK042CG330JC-F | | |
| | 39pF | ±5% | 0.2 | 587-2134-1-ND | 1.68 | 9.91 | 28.59 | 587-2134-2-ND | 15,000 | 27.59/M | EMK042CG390JC-F | | |
| | 47pF | ±5% | 0.2 | 587-2135-1-ND | 1.68 | 9.91 | 28.59 | 587-2135-2-ND | 15,000 | 27.59/M | EMK042CG470JC-F | | |
| | 56pF | ±5% | 0.2 | 587-2136-1-ND | 1.68 | 9.91 | 28.59 | 587-2136-2-ND | 15,000 | 27.59/M | EMK042CG560JC-F | | |
| | 68pF | ±5% | 0.2 | 587-2137-1-ND | 1.68 | 9.91 | 28.59 | 587-2137-2-ND | 15,000 | 27.59/M | EMK042CG680JC-F | | |
| | 82pF | ±5% | 0.2 | 587-2138-1-ND | 1.68 | 9.91 | 28.59 | 587-2138-2-ND | 15,000 | 27.59/M | EMK042CG820JC-F | | |
| | 100pF | ±5% | 0.2 | 587-2139-1-ND | 1.68 | 9.91 | 28.59 | 587-2139-2-ND | 15,000 | 27.59/M | EMK042CG101JC-F | | |
| | 100pF | ±10% | 0.2 | 587-2140-1-ND | 1.76 | 10.38 | 29.95 | 587-2140-2-ND | 15,000 | 29.04/M | LMK042BJ101KC-F | | |
| | 220pF | ±10% | 0.2 | 587-2141-1-ND | 1.76 | 10.38 | 29.95 | 587-2141-2-ND | 15,000 | 29.04/M | LMK042BJ221KC-F | | |
| | 470pF | ±10% | 0.2 | 587-2142-1-ND | 1.76 | 10.38 | 29.95 | 587-2142-2-ND | 15,000 | 29.04/M | LMK042BJ471KC-F | | |
| | 1000pF | ±10% | 0.2 | 587-2143-1-ND | 1.76 | 10.38 | 29.95 | 587-2143-2-ND | 15,000 | 29.04/M | LMK042BJ102KC-F | | |
| | 2200pF | ±10% | 0.2 | 587-2144-1-ND | 1.76 | 10.38 | 29.95 | 587-2144-2-ND | 15,000 | 29.04/M | JMK042BJ222KC-F | | |
| | 4700pF | ±10% | 0.2 | 587-2145-1-ND | 1.76 | 10.38 | 29.95 | 587-2145-2-ND | 15,000 | 29.04/M | JMK042BJ472KC-F | | |
| 10000pF | ±10% | 0.2 | 587-2146-1-ND | 1.76 | 10.38 | 29.95 | 587-2146-2-ND | 15,000 | 29.04/M | JMK042BJ103KC-F | | | |
| 0201 | C0G (NP0) | 25 | 5.6pF | ±0.5pF | 0.3 | 587-1158-1-ND | .40 | 2.36 | 6.81 | 587-1158-2-ND | 15,000 | 6.54/M | TMK063CG5R6DP-F |
| | | | 6.8pF | ±0.5pF | 0.3 | 587-1159-1-ND | .40 | 2.36 | 6.81 | 587-1159-2-ND | 15,000 | 6.54/M | TMK063CG6R8DP-F |
| | | | 8.2pF | ±0.5pF | 0.3 | 587-1160-1-ND | .40 | 2.36 | 6.81 | 587-1160-2-ND | 15,000 | 6.54/M | TMK063CG8R2DP-F |
| | | | 10pF | ±0.5pF | 0.3 | 587-1161-1-ND | .40 | 2.36 | 6.81 | 587-1161-2-ND | 15,000 | 6.54/M | TMK063CG100DP-F |
| | | | 22pF | ±5% | 0.3 | 587-1165-1-ND | .40 | 2.36 | 6.81 | 587-1165-2-ND | 15,000 | 6.54/M | TMK063CG220JP-F |
| | | | 56pF | ±5% | 0.3 | 587-1170-1-ND | .40 | 2.36 | 6.81 | 587-1170-2-ND | 15,000 | 6.54/M | TMK063CG560JP-F |
| | 82pF | ±5% | 0.3 | 587-1172-1-ND | .40 | 2.36 | 6.81 | 587-1172-2-ND | 15,000 | 6.54/M | TMK063CG820JP-F | | |
| | 100pF | ±5% | 0.3 | 587-1173-1-ND | .40 | 2.36 | 6.81 | 587-1173-2-ND | 15,000 | 6.54/M | TMK063CG101JP-F | | |
| | 220pF | ±10% | 0.3 | 587-1175-1-ND | .40 | 2.36 | 6.81 | 587-1175-2-ND | 15,000 | 6.54/M | TMK063BJ221KP-F | | |
| | 1000pF | ±10% | 0.3 | 587-1177-1-ND | .40 | 2.36 | 6.81 | 587-1177-2-ND | 15,000 | 6.54/M | TMK063BJ102KP-F | | |
| | 2200pF | ±10% | 0.3 | 587-1178-1-ND | .40 | 2.36 | 6.81 | 587-1178-2-ND | 15,000 | 6.54/M | EMK063BJ222KP-F | | |
| | 10000pF | ±10% | 0.3 | 587-1180-1-ND | .40 | 2.36 | 6.81 | 587-1180-2-ND | 15,000 | 6.54/M | EMK063BJ103KP-F | | |
| X5R | 16 | 2200pF | ±10% | 0.3 | 587-1181-1-ND | .72 | 4.25 | 12.25 | 587-1181-2-ND | 15,000 | 11.62/M | LMK063BJ223KP-F | |
| | | 47000pF | ±10% | 0.3 | 587-1182-1-ND | .72 | 4.25 | 12.25 | 587-1182-2-ND | 15,000 | 11.62/M | JMK063BJ473KP-F | |
| | | 10µF | ±10% | 0.3 | 587-1183-1-ND | .80 | 4.72 | 13.61 | 587-1183-2-ND | 15,000 | 13.07/M | JMK063BJ104KP-F | |
| | 6.3 | 10µF | ±20% | 0.3 | 587-1819-1-ND | 1.76 | 10.38 | 29.95 | 587-1819-2-ND | 15,000 | 29.04/M | JMK063BJ224MP-F | |
| | | 4.7µF | ±20% | 0.3 | 587-2147-1-ND | 3.27 | 19.35 | 55.81 | 587-2147-2-ND | 15,000 | 53.73/M | AMK063BJ474MP-F | |
| | | 10µF | ±10% | 0.8 | 587-1783-1-ND | 1.60 | 9.44 | 27.23 | 587-1783-2-ND | 4,000 | 26.14/M | LWK107B7105KA-T | |
| 6.3 | 10µF | ±10% | 0.8 | 587-1186-1-ND | 2.80 | 16.52 | 47.65 | 587-1186-2-ND | 4,000 | 45.74/M | JWK107B7105KA-T | | |
| 0306 | X7R | 6.3 | 1.0pF | ±0.25% | 0.5 | 587-1187-1-ND | .24 | 1.42 | 4.09 | 587-1187-2-ND | 10,000 | 3.63/M | UMK105CG010CW-F |
| | | | 1.2pF | ±0.25% | 0.5 | 587-1188-1-ND | .24 | 1.42 | 4.09 | 587-1188-2-ND | 10,000 | 3.63/M | UMK105CG1R2CW-F |
| 1.5pF | ±0.25% | 0.5 | 587-1189-1-ND | .24 | 1.42 | 4.09 | 587-1189-2-ND | 10,000 | 3.63/M | UMK105CG1R5CW-F | | | |
| 2.2pF | ±0.25% | 0.5 | 587-1191-1-ND | .24 | 1.42 | 4.09 | 587-1191-2-ND | 10,000 | 3.63/M | UMK105CG2R2CW-F | | | |
| 2.7pF | ±0.25% | 0.5 | 587-1192-1-ND | .24 | 1.42 | 4.09 | 587-1192-2-ND | 10,000 | 3.63/M | UMK105CG2R7CW-F | | | |
| 3.3pF | ±0.25% | 0.5 | 587-1193-1-ND | .24 | 1.42 | 4.09 | 587-1193-2-ND | 10,000 | 3.63/M | UMK105CG3R3CW-F | | | |
| 3.9pF | ±0.25% | 0.5 | 587-1194-1-ND | .24 | 1.42 | 4.09 | 587-1194-2-ND | 10,000 | 3.63/M | UMK105CG3R9CW-F | | | |
| 4.7pF | ±0.25% | 0.5 | 587-1195-1-ND | .24 | 1.42 | 4.09 | 587-1195-2-ND | 10,000 | 3.63/M | UMK105CG4R7CW-F | | | |
| 5.6pF | ±0.5pF | 0.5 | 587-1196-1-ND | .24 | 1.42 | 4.09 | 587-1196-2-ND | 10,000 | 3.63/M | UMK105CG5R6DC-F | | | |
| 6.8pF | ±0.5pF | 0.5 | 587-1197-1-ND | .24 | 1.42 | 4.09 | 587-1197-2-ND | 10,000 | 3.63/M | UMK105CG6R8DC-F | | | |
| 8.2pF | ±0.5pF | 0.5 | 587-1946-1-ND | .20 | 1.18 | 3.40 | 587-1946-2-ND | 10,000 | 2.91/M | UMK105CG8R2DV-F | | | |
| 10pF | ±0.5pF | 0.5 | 587-1947-1-ND | .20 | 1.18 | 3.40 | 587-1947-2-ND | 10,000 | 2.91/M | UMK105CG100DV-F | | | |
| 12pF | ±5% | 0.5 | 587-1948-1-ND | .20 | 1.18 | 3.40 | 587-1948-2-ND | 10,000 | 2.91/M | UMK105CG120JV-F | | | |
| 15pF | ±5% | 0.5 | 587-1949-1-ND | .20 | 1.18 | 3.40 | 587-1949-2-ND | 10,000 | 2.91/M | UMK105CG150JV-F | | | |
| 18pF | ±5% | 0.5 | 587-1950-1-ND | .20 | 1.18 | 3.40 | 587-1950-2-ND | 10,000 | 2.91/M | UMK105CG180JV-F | | | |
| 22pF | ±5% | 0.5 | 587-1203-1-ND | .2 | | | | | | | | | |



| Size Code | Type | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. | |
|-----------|-------|---------|-------------|---------------|------------------|-------------------|------------------|---------------|---------------|-------------------|-----------------|-----------------|----------------------|------------------|
| | | | | | | | 10 | 100 | 500 | | Qty. | Pricing | | |
| 0402 | X7R | 50 | 220pF | ±10% | 0.5 | 587-1218-1-ND | .16 | .94 | 2.72 | 587-1218-2-ND | 10,000 | 2.91/M | UMK105B7221KV-F | |
| | | | 470pF | ±10% | 0.5 | 587-1219-1-ND | .19 | 1.13 | 3.27 | 587-1219-2-ND | 10,000 | 2.91/M | UMK105B7471KV-F | |
| | | | 1000pF | ±10% | 0.5 | 587-1220-1-ND | .16 | .94 | 2.72 | 587-1220-2-ND | 10,000 | 2.91/M | UMK105B7102KV-F | |
| | | 2200pF | ±10% | 0.5 | 587-1221-1-ND | .16 | .94 | 2.72 | 587-1221-2-ND | 10,000 | 2.91/M | UMK105B7222KV-F | | |
| | | 4700pF | ±10% | 0.5 | 587-1222-1-ND | .20 | 1.18 | 3.40 | 587-1222-2-ND | 10,000 | 3.63/M | TMK105B7472KV-F | | |
| | | 10000pF | ±10% | 0.5 | 587-1223-1-ND | .16 | .94 | 2.72 | 587-1223-2-ND | 10,000 | 2.91/M | TMK105B7103KV-F | | |
| | X5R | 16 | 22000pF | ±10% | 0.5 | 587-1224-1-ND | .16 | .94 | 2.72 | 587-1224-2-ND | 10,000 | 2.91/M | EMK105B7223KV-F | |
| | | | 47000pF | ±10% | 0.5 | 587-1225-1-ND | .16 | .94 | 2.72 | 587-1225-2-ND | 10,000 | 2.91/M | EMK105B7473KV-F | |
| | | | 10µF | ±10% | 0.5 | 587-1451-1-ND | .24 | 1.42 | 4.09 | 587-1451-2-ND | 10,000 | 3.63/M | EMK105B7104KV-FR | |
| | | 35 | 0.1µF | ±10% | 0.5 | 587-1994-1-ND | .80 | 4.72 | 13.61 | 587-1994-2-ND | 10,000 | 13.07/M | GMK105BJ104KV-F | |
| | | | 10µF | ±10% | 0.5 | 587-1456-1-ND | .31 | 1.84 | 5.31 | 587-1456-2-ND | 10,000 | 5.09/M | TMK105BJ104KV-F | |
| | | | 22µF | ±10% | 0.5 | 587-1226-1-ND | .22 | 1.28 | 3.67 | 587-1226-2-ND | 10,000 | 3.63/M | EMK105BJ104KV-F | |
| | Y5V | 10 | 10µF | ±10% | 0.5 | 587-1227-1-ND | .22 | 1.28 | 3.67 | 587-1227-2-ND | 10,000 | 3.63/M | LMK105BJ104KV-F | |
| | | | 22µF | ±10% | 0.5 | 587-1228-1-ND | .54 | 3.21 | 9.26 | 587-1228-2-ND | 10,000 | 8.72/M | LMK105BJ224KV-F | |
| | | | 47µF | ±10% | 0.5 | 587-1455-1-ND | .68 | 4.01 | 11.57 | 587-1455-2-ND | 10,000 | 10.89/M | LMK105BJ474KV-F | |
| | | | 10µF | ±10% | 0.5 | 587-1454-1-ND | .60 | 3.54 | 10.21 | 587-1454-2-ND | 10,000 | 10.17/M | LMK105BJ105KV-F | |
| | | | 22µF | ±10% | 0.5 | 587-1229-1-ND | .48 | 2.83 | 8.17 | 587-1229-2-ND | 10,000 | 7.99/M | JMK105BJ224KV-F | |
| | | | 47µF | ±10% | 0.5 | 587-1230-1-ND | .64 | 3.78 | 10.89 | 587-1230-2-ND | 10,000 | 10.17/M | JMK105BJ474KV-F | |
| | | 6.3 | 10µF | ±10% | 0.5 | 587-1231-1-ND | .44 | 2.60 | 7.49 | 587-1231-2-ND | 10,000 | 7.26/M | JMK105BJ105KV-F | |
| | | | 22µF | ±20% | 0.5 | 587-1453-1-ND | 2.08 | 12.27 | 35.39 | 587-1453-2-ND | 10,000 | 34.13/M | JMK105BJ225MV-F | |
| | | | 2.2µF | ±20% | 0.5 | 587-1232-1-ND | 2.08 | 12.27 | 35.39 | 587-1232-2-ND | 10,000 | 34.13/M | AMK105BJ225MV-F | |
| | | | 4.7µF | ±20% | 0.5 | 587-1966-1-ND | 3.99 | 23.60 | 68.06 | 587-1966-2-ND | 10,000 | 65.34/M | AMK105BJ475MV-F | |
| | | | 50 | 10000pF | ±80% / -20% | 0.5 | 587-1233-1-ND | .24 | 1.42 | 4.09 | 587-1233-2-ND | 10,000 | 3.63/M | UMK105F103ZV-F |
| | | | 16 | 10µF | ±80% / -20% | 0.5 | 587-1235-1-ND | .19 | 1.13 | 3.27 | 587-1235-2-ND | 10,000 | 2.91/M | EMK105F104ZV-F |
| 0508 | X6S | 6.3 | 10µF | ±10% | 0.85 | 587-1237-1-ND | 2.56 | 15.10 | 43.56 | 587-1237-2-ND | 4,000 | 42.11/M | JWK2126475KD-T | |
| | | | 2200pF | ±10% | 0.8 | 587-1445-1-ND | .77 | 4.53 | 13.07 | 587-1445-2-ND | 4,000 | 12.35/M | HMK107B7102KA-T | |
| | | | 4700pF | ±10% | 0.8 | 587-1447-1-ND | .77 | 4.53 | 13.07 | 587-1447-2-ND | 4,000 | 12.35/M | HMK107B7222KA-T | |
| | X7R | 100 | 1000pF | ±10% | 0.8 | 587-1449-1-ND | .81 | 4.81 | 13.89 | 587-1449-2-ND | 4,000 | 13.07/M | HMK107B7472KA-T | |
| | | | 10000pF | ±10% | 0.8 | 587-1446-1-ND | .81 | 4.81 | 13.89 | 587-1446-2-ND | 4,000 | 13.07/M | HMK107B7103KA-T | |
| | | | 22000pF | ±10% | 0.8 | 587-1448-1-ND | .81 | 4.81 | 13.89 | 587-1448-2-ND | 4,000 | 13.07/M | HMK107B7223KA-T | |
| | | 50 | 10µF | ±10% | 0.8 | 587-1243-1-ND | .48 | 2.83 | 8.17 | 587-1243-2-ND | 4,000 | 7.99/M | UMK107B7104KA-T | |
| | | | 22000pF | ±10% | 0.8 | 587-1238-1-ND | .35 | 2.08 | 5.99 | 587-1238-2-ND | 4,000 | 5.81/M | TMK107B7223KA-T | |
| | | | 22µF | ±10% | 0.8 | 587-1246-1-ND | .60 | 3.54 | 10.21 | 587-1246-2-ND | 4,000 | 10.17/M | TMK107B7224KA-T | |
| | | | 47000pF | ±10% | 0.8 | 587-1239-1-ND | .40 | 2.36 | 6.81 | 587-1239-2-ND | 4,000 | 6.54/M | EMK107B7473KA-T | |
| | | | 10µF | ±10% | 0.8 | 587-1240-1-ND | .20 | 1.18 | 3.40 | 587-1240-2-ND | 4,000 | 3.63/M | EMK107B7104KA-T | |
| | | | 22µF | ±10% | 0.8 | 587-1249-1-ND | .48 | 2.83 | 8.17 | 587-1249-2-ND | 4,000 | 7.99/M | EMK107B7224KA-T | |
| | | 16 | 10µF | ±10% | 0.8 | 587-1250-1-ND | .56 | 3.30 | 9.53 | 587-1250-2-ND | 4,000 | 9.44/M | EMK107B7474KA-T | |
| | | | 47µF | ±10% | 0.8 | 587-1251-1-ND | .64 | 3.78 | 10.89 | 587-1251-2-ND | 4,000 | 10.17/M | EMK107B7105KA-TR | |
| | | | 10µF | ±10% | 0.8 | 587-1242-1-ND | .42 | 2.50 | 7.22 | 587-1242-2-ND | 4,000 | 7.26/M | LMK107B7105KA-T | |
| | 47µF | | ±10% | 0.8 | 587-1252-1-ND | .56 | 3.30 | 9.53 | 587-1252-2-ND | 4,000 | 9.44/M | LMK107B7474KA-T | | |
| | 10µF | | ±10% | 0.8 | 587-1437-1-ND | 1.20 | 7.08 | 20.42 | 587-1437-2-ND | 4,000 | 19.61/M | GMK107BJ105KA-T | | |
| | 35 | | 10µF | ±10% | 0.8 | 587-1245-1-ND | .24 | 1.42 | 4.09 | 587-1245-2-ND | 4,000 | 3.92/M | TMK107BJ104KA-T | |
| | X5R | 25 | 10µF | ±10% | 0.8 | 587-1247-1-ND | .88 | 5.19 | 14.98 | 587-1247-2-ND | 4,000 | 14.52/M | TMK107BJ474KA-T | |
| | | | 10µF | ±10% | 0.8 | 587-1248-1-ND | .80 | 4.72 | 13.61 | 587-1248-2-ND | 4,000 | 13.07/M | TMK107BJ105KA-T | |
| | | | 10µF | ±10% | 0.8 | 587-1251-1-ND | .64 | 3.78 | 10.89 | 587-1251-2-ND | 4,000 | 10.17/M | EMK107BJ105KA-T | |
| | | 16 | 10µF | ±10% | 0.45 | 587-1959-1-ND | 1.12 | 6.61 | 19.06 | 587-1959-2-ND | 4,000 | 18.15/M | EMK107BJ105KK-T | |
| | | | 2.2µF | ±10% | 0.8 | 587-1430-1-ND | 1.84 | 10.85 | 31.31 | 587-1430-2-ND | 4,000 | 29.77/M | EMK107BJ225KA-T | |
| | | | 4.7µF | ±10% | 0.8 | 587-1992-1-ND | 1.20 | 7.08 | 20.42 | 587-1992-2-ND | 4,000 | 19.61/M | LMK107BJ105KK-T | |
| 10 | | 2.2µF | ±10% | 0.8 | 587-1253-1-ND | 1.20 | 7.08 | 20.42 | 587-1253-2-ND | 4,000 | 19.61/M | LMK107BJ225KA-T | | |
| | | 4.7µF | ±10% | 0.8 | 587-1441-1-ND | 2.40 | 14.16 | 40.84 | 587-1441-2-ND | 4,000 | 39.21/M | LMK107BJ475KA-T | | |
| | | 10µF | ±10% | 0.45 | 587-1993-1-ND | 1.28 | 7.55 | 21.78 | 587-1993-2-ND | 4,000 | 21.06/M | JMK107BJ105KK-T | | |
| | | 2.2µF | ±10% | 0.8 | 587-1254-1-ND | 1.04 | 6.13 | 17.70 | 587-1254-2-ND | 4,000 | 16.70/M | JMK107BJ225KA-T | | |
| | | 2.2µF | ±10% | 0.45 | 587-1960-1-ND | 1.12 | 6.61 | 19.06 | 587-1960-2-ND | 4,000 | 18.15/M | JMK107BJ225KK-T | | |
| | | 4.7µF | ±10% | 0.8 | 587-1785-1-ND | 1.20 | 7.08 | 20.42 | 587-1785-2-ND | 4,000 | 19.61/M | JMK107BJ475KA-T | | |
| 6.3 | 4.7µF | ±20% | 0.8 | 587-1255-1-ND | 1.20 | 7.08 | 20.42 | 587-1255-2-ND | 4,000 | 19.61/M | JMK107BJ475MA-T | | | |
| | 4.7µF | ±20% | 0.45 | 587-1944-1-ND | 3.35 | 19.82 | 57.17 | 587-1944-2-ND | 4,000 | 55.18/M | JMK107BJ475MK-T | | | |
| | 10µF | ±20% | 0.8 | 587-1256-1-ND | 4.39 | 25.95 | 74.87 | 587-1256-2-ND | 4,000 | 71.88/M | JMK107BJ108MA-T | | | |
| | 22µF | ±20% | 0.8 | 587-2085-1-ND | 19.97 | 117.98 | 340.31 | 587-2085-2-ND | 4,000 | 326.70/M | AMK107BJ226MA-T | | | |
| | 50 | 10µF | ±10% | 0.8 | 587-1257-1-ND | 1.12 | 6.61 | 19.06 | 587-1257-2-ND | 4,000 | 18.15/M | UMK107F104ZV-F | | |
| | 25 | 47µF | ±80% / -20% | 0.8 | 587-1258-1-ND | .36 | 2.13 | 6.13 | 587-1258-2-ND | 4,000 | 5.81/M | UMK107F104ZV-F | | |
| Y5V | 16 | 22µF | ±80% / -20% | 0.8 | 587-1260-1-ND | .32 | 1.89 | 5.45 | 587-1260-2-ND | 4,000 | 5.09/M | EMK107F224ZV-F | | |
| | | 47µF | ±80% / -20% | 0.8 | 587-1261-1-ND | .36 | 2.13 | 6.13 | 587-1261-2-ND | 4,000 | 5.81/M | EMK107F474ZV-F | | |
| | | 10µF | ±80% / -20% | 0.8 | 587-1262-1-ND | .32 | 1.89 | 5.45 | 587-1262-2-ND | 4,000 | 5.09/M | EMK107F105ZV-F | | |
| | 10 | 2.2µF | ±80% / -20% | 0.8 | 587-1263-1-ND | .72 | 4.25 | 12.25 | 587-1263-2-ND | 4,000 | 11.62/M | EMK107F225ZV-F | | |
| | | 10µF | ±80% / -20% | 0.8 | 587-1264-1-ND | .48 | 2.83 | 8.17 | 587-1264-2-ND | 4,000 | 7.99/M | LMK107F105ZV-F | | |
| | | 2.2µF | ±80% / -20% | 0.8 | 587-1265-1-ND | .72 | 4.25 | 12.25 | 587-1265-2-ND | 4,000 | 11.62/M | LMK107F225ZV-F | | |
| 0612 | X7R | 16 | 2.2µF | ±10% | 0.85 | 587-1784-1-ND | 4.39 | 25.95 | 74.87 | 587-1784-2-ND | 4,000 | 71.88/M | EWK316B7225KD-T | |
| | | | 10 | 2.2µF | ±10% | 0.85 | 587-1266-1-ND | 4.63 | 27.37 | 78.95 | 587-1266-2-ND | 4,000 | 75.51/M | LWK316B7225KD-T |
| | X5R | 6.3 | 10µF | ±10% | 0.85 | 587-1267-1-ND | 7.99 | 47.19 | 136.13 | 587-1267-2-ND | 4,000 | 130.68/M | JWK316BJ106KD-T | |
| | | | 1000pF | ±10% | 0.85 | 587-1268-1-ND | 1.38 | 8.17 | 23.55 | 587-1268-2-ND | 4,000 | 22.51/M | QMK212B7102KD-T | |
| | | | 10000pF | ±10% | 1.25 | 587-1271-1-ND | 1.36 | 8.02 | 23.14 | 587-1271-2-ND | 3,000 | 22.51/M | QMK212B7103KG-T | |
| | | 50 | 10µF | ±10% | 1.25 | 587-1276-1-ND | 1.41 | 8.31 | 23.96 | 587-1276-2-ND | 3,000 | 23.24/M | HMK212B7104KG-T | |
| | | | 22µF | ±10% | 1.25 | 587-2087-1-ND | 2.40 | 14.16 | 40.84 | 587-2087-2-ND | 3,000 | 39.21/M | HMK212B7224KG-T | |
| | | | 22000pF | ±10% | 0.85 | 587-1277-1-ND | .68 | 4.01 | 11.57 | 587-1277-2-ND | 4,000 | 10.89/M | UMK212B7223KD-T | |
| | | | 47000pF | ±10% | 1.25 | 587-1278-1-ND | .72 | 4.25 | 12.25 | 587-1278-2-ND | 3,000 | 11.62/M | UMK212B7473KG-T | |
| | | | 10µF | ±10% | 1.25 | 587-1279-1-ND | .65 | 3.83 | 11.03 | 587-1279-2-ND | 3,000 | 10.89/M | UMK212B7104KG-T | |
| | | | 47µF | ±10% | 1.25 | 587-1288-1-ND | 2.32 | 13.69 | 39.48 | 587-1288-2-ND | 3,000 | 37.76/M | UMK212B7474KG-T | |
| | | X7R | 35 | 10µF | ±10% | 1.25 | 587-1438-1-ND | 2.80 | 16.52 | 47.65 | 587-1438-2-ND | 3,000 | 45.74/M | GMK212B7105KG-T |
| | | | | 47000pF | ±10% | 0.85 | 587-1280-1-ND | .62 | 3.64 | 10.48 | 587-1280-2-ND | 4,000 | 10.17/M | TMK212B7473KD-T |
| | | | | 10µF | ±10% | 1.25 | 587-1281-1-ND | 1.20 | 7.08 | 20.42 | 587-1281-2-ND | 3,000 | 19.61/M | TMK212B7105KG-TR |
| | 25 | | 47µF | ±10% | 0.85 | 587-1282-1-ND | .80 | 4.72 | 13.61 | 587-1282-2-ND | 4,000 | 13.07/M | EMK212B7474KD-T | |
| | | | 10µF | ±10% | 1.25 | 587-1283-1-ND | 1.08 | 6.37 | 18.38 | 587-1283 | | | | |



| Size Code | Type | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. | | | |
|-----------|------|---------|-------------|-------------|------------------|-------------------|------------------|---------------|---------------|-------------------|---------------|---------------|----------------------|------------------|-----------------|-----------------|
| | | | | | | | 10 | 100 | 500 | | Qty. | Pricing | | | | |
| 0805 | 25 | 2.2µF | 4.7µF | ±10% | 1.25 | 587-1292-1-ND | 2.24 | 13.21 | 38.12 | 587-1292-2-ND | 3,000 | 36.30/M | TMK212BJ225KG-T | | | |
| | | | | ±10% | 1.25 | 587-1782-1-ND | 2.40 | 14.16 | 40.84 | 587-1782-2-ND | 3,000 | 39.21/M | TMK212BJ475KG-T | | | |
| | | 16 | 2.2µF | 4.7µF | ±10% | 1.25 | 587-1293-1-ND | 1.56 | 9.21 | 26.54 | 587-1293-2-ND | 3,000 | 25.41/M | EMK212BJ225KG-T | | |
| | | | | | ±10% | 1.25 | 587-1294-1-ND | 2.24 | 13.21 | 38.12 | 587-1294-2-ND | 3,000 | 36.30/M | EMK212BJ475KG-T | | |
| | | 10 | 2.2µF | 4.7µF | ±10% | 0.85 | 587-1296-1-ND | 1.28 | 7.55 | 21.78 | 587-1296-2-ND | 4,000 | 21.06/M | LMK212BJ225KD-T | | |
| | | | | | ±10% | 0.85 | 587-1297-1-ND | 2.00 | 11.80 | 34.03 | 587-1297-2-ND | 4,000 | 32.67/M | LMK212BJ475KD-T | | |
| | 6.3 | | 2.2µF | 4.7µF | ±10% | 1.25 | 587-1298-1-ND | 1.76 | 10.38 | 29.95 | 587-1298-2-ND | 3,000 | 29.04/M | LMK212BJ475KG-T | | |
| | | | | | ±10% | 0.85 | 587-1299-1-ND | 2.32 | 13.69 | 39.48 | 587-1299-2-ND | 4,000 | 37.76/M | LMK212BJ106KD-T | | |
| | 10 | | 10µF | 22µF | ±10% | 1.25 | 587-1300-1-ND | 2.16 | 12.74 | 36.76 | 587-1300-2-ND | 3,000 | 35.58/M | LMK212BJ106KG-T | | |
| | | | | | ±20% | 1.25 | 587-1958-1-ND | 3.48 | 30.49 | 130.68 | 587-1958-2-ND | 3,000 | 156.82/M | LMK212BJ226MG-T | | |
| | Y5V | 50 | 2.2µF | 4.7µF | ±10% | 0.85 | 587-1301-1-ND | 1.84 | 10.85 | 31.31 | 587-1301-2-ND | 4,000 | 29.77/M | JMK212BJ475KD-T | | |
| | | | | | ±10% | 1.25 | 587-1302-1-ND | 1.60 | 9.44 | 27.23 | 587-1302-2-ND | 3,000 | 26.14/M | JMK212BJ475KG-T | | |
| | | | 16 | 2.2µF | 4.7µF | ±10% | 1.25 | 587-1303-1-ND | 2.08 | 12.27 | 35.39 | 587-1303-2-ND | 3,000 | 34.13/M | JMK212BJ106KG-T | |
| | | | | | | ±10% | 0.85 | 587-1304-1-ND | 2.24 | 13.21 | 38.12 | 587-1304-2-ND | 4,000 | 36.30/M | JMK212BJ106KD-T | |
| | | | 6.3 | 2.2µF | 4.7µF | ±10% | 1.25 | 587-1468-1-ND | 9.58 | 56.63 | 163.35 | 587-1468-2-ND | 3,000 | 156.82/M | JMK212BJ226KG-T | |
| | | | | | | ±20% | 1.25 | 587-1943-1-ND | 2.08 | 12.27 | 35.39 | 587-1943-2-ND | 3,000 | 34.13/M | JMK212BJ106MG-T | |
| | | 10 | 2.2µF | 4.7µF | ±20% | 1.25 | 587-1305-1-ND | 4.63 | 27.37 | 78.95 | 587-1305-2-ND | 3,000 | 75.51/M | JMK212BJ226MG-T | | |
| | | | | | ±20% | 0.85 | 587-1961-1-ND | 9.58 | 56.63 | 163.35 | 587-1961-2-ND | 4,000 | 156.82/M | JMK212BJ226MD-T | | |
| | | | 16 | 2.2µF | 4.7µF | ±80% / -20% | 1.25 | 587-1779-1-ND | 19.97 | 117.98 | 340.31 | 587-1779-2-ND | 3,000 | 326.70/M | JMK212BJ476MG-T | |
| | | | | | | ±80% / -20% | 0.85 | 587-1306-1-ND | .64 | 3.78 | 10.89 | 587-1306-2-ND | 4,000 | 10.17/M | UMK212F224ZD-T | |
| | | | 10 | 10µF | 22µF | ±80% / -20% | 1.25 | 587-1307-1-ND | .96 | 5.66 | 16.34 | 587-1307-2-ND | 4,000 | 15.98/M | UMK212F474ZG-T | |
| | | | | | | ±80% / -20% | 1.25 | 587-1308-1-ND | .64 | 3.78 | 10.89 | 587-1308-2-ND | 3,000 | 10.17/M | UMK212F105ZG-T | |
| | X7R | 50 | 2.2µF | 4.7µF | ±80% / -20% | 1.25 | 587-1309-1-ND | .96 | 5.66 | 16.34 | 587-1309-2-ND | 3,000 | 15.98/M | EMK212F225ZG-T | | |
| | | | | | ±80% / -20% | 1.25 | 587-1311-1-ND | 1.04 | 6.13 | 17.70 | 587-1311-2-ND | 3,000 | 16.70/M | LMK212F475ZG-T | | |
| | | | 16 | 2.2µF | 4.7µF | ±80% / -20% | 1.25 | 587-1312-1-ND | 1.12 | 6.61 | 19.06 | 587-1312-2-ND | 3,000 | 18.15/M | LMK212F106ZG-T | |
| | | | | | | ±80% / -20% | 0.85 | 587-1313-1-ND | 1.20 | 7.08 | 20.42 | 587-1313-2-ND | 4,000 | 19.61/M | JMK212F475ZD-T | |
| | | | 6.3 | 10µF | 22µF | ±80% / -20% | 1.25 | 587-1314-1-ND | 1.12 | 6.61 | 19.06 | 587-1314-2-ND | 3,000 | 18.15/M | JMK212F106ZG-T | |
| | | | | | | ±10% | 1.15 | 587-1315-1-ND | 3.19 | 18.88 | 54.45 | 587-1315-2-ND | 3,000 | 52.28/M | SMK316B7102KF-T | |
| | | 1206 | 630 | 22000pF | 10000pF | ±10% | 1.15 | 587-1316-1-ND | 3.43 | 20.29 | 58.54 | 587-1316-2-ND | 3,000 | 55.91/M | SMK316B7222KF-T | |
| | | | | | | ±10% | 1.15 | 587-1318-1-ND | 3.43 | 20.29 | 58.54 | 587-1318-2-ND | 3,000 | 55.91/M | SMK316B7103KF-T | |
| | | | | 100 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1322-1-ND | 2.32 | 13.69 | 39.48 | 587-1322-2-ND | 2,000 | 37.75/M | HMK316B7104KL-T |
| | | | | | | | ±10% | 1.6 | 587-1323-1-ND | 2.44 | 14.40 | 41.52 | 587-1323-2-ND | 2,000 | 39.93/M | HMK316B7224KL-T |
| | | | | 50 | 2.2µF | 4.7µF | ±10% | 1.6 | 587-1450-1-ND | 5.99 | 35.39 | 102.10 | 587-1450-2-ND | 2,000 | 98.01/M | HMK316B7474KL-T |
| | | | | | | | ±10% | 1.6 | 587-1777-1-ND | 5.99 | 35.39 | 102.10 | 587-1777-2-ND | 2,000 | 98.01/M | HMK316B7105KL-T |
| | 35 | | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1324-1-ND | 2.24 | 13.21 | 38.12 | 587-1324-2-ND | 2,000 | 36.30/M | UMK316B7224KL-T | | |
| | | | | | ±10% | 1.6 | 587-1325-1-ND | 2.24 | 13.21 | 38.12 | 587-1325-2-ND | 2,000 | 36.30/M | UMK316B7474KL-T | | |
| | | | 25 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1326-1-ND | 2.32 | 13.69 | 39.48 | 587-1326-2-ND | 2,000 | 37.75/M | GMK316B7105KL-T | |
| | | | | | | ±10% | 1.15 | 587-1327-1-ND | 1.60 | 9.44 | 27.23 | 587-1327-2-ND | 3,000 | 26.14/M | TMK316B7224KF-T | |
| | | | 16 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1328-1-ND | 2.24 | 13.21 | 38.12 | 587-1328-2-ND | 2,000 | 36.30/M | TMK316B7105KL-T | |
| | | | | | | ±10% | 1.6 | 587-1329-1-ND | 2.32 | 13.69 | 39.48 | 587-1329-2-ND | 2,000 | 37.75/M | TMK316B7225KL-T | |
| X5R | 16 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1443-1-ND | 11.58 | 68.43 | 197.38 | 587-1443-2-ND | 2,000 | 189.49/M | TMK316B7475KL-T | | | |
| | | | | ±10% | 1.15 | 587-1327-1-ND | 1.60 | 9.44 | 27.23 | 587-1327-2-ND | 3,000 | 26.14/M | TMK316B7224KF-T | | | |
| | | 10 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1328-1-ND | 2.24 | 13.21 | 38.12 | 587-1328-2-ND | 2,000 | 36.30/M | TMK316B7105KL-T | | |
| | | | | | ±10% | 1.6 | 587-1329-1-ND | 2.32 | 13.69 | 39.48 | 587-1329-2-ND | 2,000 | 37.75/M | TMK316B7225KL-T | | |
| | | 6.3 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1443-1-ND | 11.58 | 68.43 | 197.38 | 587-1443-2-ND | 2,000 | 189.49/M | TMK316B7475KL-T | | |
| | | | | | ±10% | 1.15 | 587-1327-1-ND | 1.60 | 9.44 | 27.23 | 587-1327-2-ND | 3,000 | 26.14/M | TMK316B7224KF-T | | |
| | 10 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1328-1-ND | 2.24 | 13.21 | 38.12 | 587-1328-2-ND | 2,000 | 36.30/M | TMK316B7105KL-T | | | |
| | | | | ±10% | 1.6 | 587-1329-1-ND | 2.32 | 13.69 | 39.48 | 587-1329-2-ND | 2,000 | 37.75/M | TMK316B7225KL-T | | | |
| | | 16 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1331-1-ND | 2.40 | 14.16 | 40.84 | 587-1331-2-ND | 2,000 | 39.21/M | EMK316B7475KL-TR | | |
| | | | | | ±10% | 1.6 | 587-1332-1-ND | 2.64 | 15.57 | 44.92 | 587-1332-2-ND | 2,000 | 42.84/M | LMK316B7475KL-T | | |
| | | 6.3 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1333-1-ND | 2.93 | 17.32 | 49.96 | 587-1333-2-ND | 2,000 | 47.92/M | LMK316B7106KL-TR | | |
| | | | | | ±10% | 1.6 | 587-1346-1-ND | 2.72 | 16.04 | 46.28 | 587-1346-2-ND | 2,000 | 44.29/M | JMK316B7106KL-T | | |
| X5S | 630 | 22000pF | 10000pF | ±10% | 1.6 | 587-1334-1-ND | 5.75 | 33.98 | 98.01 | 587-1334-2-ND | 2,000 | 94.38/M | JMK316B7226ML-TR | | | |
| | | | | ±10% | 1.6 | 587-1335-1-ND | 3.59 | 21.24 | 61.26 | 587-1335-2-ND | 2,000 | 58.81/M | SMK316B7223KL-T | | | |
| | | 250 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1320-1-ND | 3.75 | 22.18 | 63.98 | 587-1320-2-ND | 2,000 | 61.71/M | QMK316B7104KL-T | | |
| | | | | | ±10% | 1.6 | 587-1962-1-ND | 5.03 | 29.73 | 85.76 | 587-1962-2-ND | 2,000 | 82.04/M | UMK316BJ475KL-T | | |
| | | 50 | 1.0µF | 2.2µF | ±10% | 0.85 | 587-1434-1-ND | 1.92 | 11.33 | 32.67 | 587-1434-2-ND | 4,000 | 31.22/M | TMK316B1105KD-T | | |
| | | | | | ±10% | 1.6 | 587-1336-1-ND | 4.07 | 24.07 | 69.43 | 587-1336-2-ND | 2,000 | 66.79/M | TMK316BJ475KL-T | | |
| | 10 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1337-1-ND | 4.39 | 25.95 | 74.87 | 587-1337-2-ND | 2,000 | 71.88/M | TMK316BJ106KL-T | | | |
| | | | | ±10% | 1.6 | 587-1338-1-ND | 2.16 | 12.74 | 36.76 | 587-1338-2-ND | 2,000 | 35.58/M | EMK316BJ475KL-T | | | |
| | | 16 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1339-1-ND | 3.11 | 18.40 | 53.09 | 587-1339-2-ND | 2,000 | 50.82/M | EMK316BJ106KL-T | | |
| | | | | | ±20% | 1.6 | 587-1433-1-ND | 10.38 | 61.35 | 176.96 | 587-1433-2-ND | 2,000 | 169.89/M | EMK316BJ226ML-T | | |
| | | 6.3 | 1.0µF | 2.2µF | ±10% | 0.85 | 587-1340-1-ND | 2.48 | 14.63 | 42.20 | 587-1340-2-ND | 4,000 | 40.66/M | LMK316BJ475KD-T | | |
| | | | | | ±10% | 0.85 | 587-1341-1-ND | 3.19 | 18.88 | 54.45 | 587-1341-2-ND | 4,000 | 52.28/M | LMK316BJ106KD-T | | |
| X7S | 630 | 22000pF | 10000pF | ±10% | 1.6 | 587-1342-1-ND | 2.80 | 16.52 | 47.65 | 587-1342-2-ND | 2,000 | 45.74/M | LMK316BJ106KL-T | | | |
| | | | | ±20% | 1.6 | 587-1343-1-ND | 7.19 | 42.47 | 122.51 | 587-1343-2-ND | 2,000 | 117.61/M | LMK316BJ226ML-T | | | |
| | | 250 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1780-1-ND | 16.77 | 99.10 | 288.86 | 587-1780-2-ND | 2,000 | 274.43/M | LMK316BJ476ML-T | | |
| | | | | | ±10% | 1.15 | 587-1344-1-ND | 2.48 | 14.63 | 42.20 | 587-1344-2-ND | 3,000 | 40.66/M | JMK316B1106KF-T | | |
| | | 100 | 1.0µF | 2.2µF | ±10% | 0.85 | 587-1345-1-ND | 2.95 | 17.46 | 50.37 | 587-1345-2-ND | 4,000 | 48.65/M | JMK316B1106KD-T | | |
| | | | | | ±10% | 1.6 | 587-1467-1-ND | 5.59 | 33.03 | 95.29 | 587-1467-2-ND | 2,000 | 91.48/M | JMK316BJ226KL-T | | |
| | 25 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1347-1-ND | 5.59 | 33.03 | 95.29 | 587-1347-2-ND | 2,000 | 91.48/M | JMK316BJ226ML-T | | | |
| | | | | ±20% | 1.6 | 587-1348-1-ND | 13.18 | 77.86 | 224.61 | 587-1348-2-ND | 2,000 | 215.62/M | JMK316BJ476ML-T | | | |
| | | 16 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1963-1-ND | 11.33 | 69.10 | 204.71 | 587-1963-2-ND | 2,000 | 109.38/M | JMK316BJ107ML-T | | |
| | | | | | ±20% | 1.6 | 587-1349-1-ND | 31.15 | 184.04 | 530.89 | 587-1349-2-ND | 2,000 | 509.65/M | AMK316B1107ML-T | | |
| | | 6.3 | 1.0µF | 2.2µF | ±10% | 1.6 | 587-1350-1-ND | 5.51 | 32.56 | 93.93 | 587-1350-2-ND | 2,000 | 90.03/M | TMK316C106KL-T | | |
| | | | | | ±80% / -20% | 1.25 | 587-1351-1-ND | 2.40 | 14.16 | 40.84 | 587-1351-2-ND | 3,000 | 39.21/M | UMK316F225ZG-T | | |
| Y5V | 35 | 10µF | 22µF | ±80% / -20% | 1.6 | 587-1352-1-ND | 2.56 | 15.10 | 43.56 | 587-1352-2-ND | 2,000 | 42.11/M | GMK316F106ZL-T | | | |
| | | | | ±80% / -20% | 1.6 | 587-1353- | | | | | | | | | | |



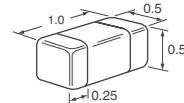
| Size Code | Type | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. | |
|-----------|-------|-------------|-------------|---------------|------------------|-------------------|------------------|---------------|---------------|-------------------|----------------|-----------------|----------------------|-----------------|
| | | | | | | | 10 | 100 | 500 | | Qty. | Pricing | | |
| 1210 | X5R | 250 | .22µF | ±10% | 1.9 | 587-1361-1-ND | 4.79 | 28.31 | 81.68 | 587-1361-2-ND | 2,000 | 78.41/M | QMK325B7224KN-T | |
| | | | 50 | 4.7µF | ±20% | 2.5 | 587-1964-1-ND | 3.24 | 28.34 | — | 587-1964-2-ND | 500 | 72.96 | UMK325BJ475MM-T |
| | | 35 | 2.2µF | ±10% | 1.9 | 587-1372-1-ND | 4.39 | 25.95 | 74.87 | 587-1372-2-ND | 2,000 | 71.88/M | GMK325BJ225KN-T | |
| | | | 4.7µF | ±20% | 1.9 | 587-1781-1-ND | 3.35 | 19.82 | 57.17 | 587-1781-2-ND | 2,000 | 78.41/M | GMK325BJ475MM-T | |
| | | | 10µF | ±10% | 1.9 | 587-1439-1-ND | 4.39 | 56.63 | 163.35 | 587-1439-2-ND | 2,000 | 156.82/M | GMK325BJ106KN-T | |
| | | 25 | 10µF | ±10% | 0.85 | 587-1444-1-ND | 9.98 | 58.99 | 170.16 | 587-1444-2-ND | 2,000 | 163.35/M | TMK325BJ106KD-T | |
| | | | 10µF | ±20% | 2.5 | 587-1374-1-ND | 8.78 | 51.91 | — | 587-1374-2-ND | 500 | 71.87 | TMK325BJ106MM-T | |
| | | | 10µF | ±20% | 1.9 | 587-1375-1-ND | 7.19 | 42.47 | 122.51 | 587-1375-2-ND | 2,000 | 117.61/M | TMK325BJ106MM-T | |
| | | | 22µF | ±20% | 2.5 | 587-2086-1-ND | 12.97 | 76.64 | — | 587-2086-2-ND | 500 | 106.00 | TMK325BJ226MM-T | |
| | | 16 | 10µF | ±10% | 1.9 | 587-1376-1-ND | 7.19 | 42.47 | 122.51 | 587-1376-2-ND | 2,000 | 117.61/M | EMK325BJ106KN-T | |
| | | | 10µF | ±10% | 0.85 | 587-1377-1-ND | 6.39 | 37.75 | 108.90 | 587-1377-2-ND | 2,000 | 104.55/M | EMK325BJ106KD-T | |
| | | | 10µF | ±20% | 1.9 | 587-1470-1-ND | 7.19 | 42.47 | 122.51 | 587-1470-2-ND | 2,000 | 117.61/M | EMK325BJ106MM-T | |
| | 22µF | | ±20% | 2.5 | 587-1378-1-ND | 10.38 | 61.35 | — | 587-1378-2-ND | 500 | 84.94 | EMK325BJ226MM-T | | |
| | 47µF | | ±20% | 2.5 | 587-1436-1-ND | 19.57 | 115.62 | — | 587-1436-2-ND | 500 | 160.08 | EMK325BJ476MM-T | | |
| | 10 | | 4.7µF | ±10% | 0.85 | 587-1379-1-ND | 3.99 | 23.60 | 68.06 | 587-1379-2-ND | 2,000 | 65.34/M | LMK325BJ475KD-T | |
| | | 10µF | ±20% | 0.85 | 587-1380-1-ND | 5.59 | 33.03 | 95.29 | 587-1380-2-ND | 2,000 | 91.48/M | LMK325BJ106MD-T | | |
| | | 22µF | ±20% | 2.5 | 587-1381-1-ND | 12.78 | 75.50 | — | 587-1381-2-ND | 500 | 104.54 | LMK325BJ226MM-T | | |
| | | 22µF | ±20% | 2.0 Max. | 587-1382-1-ND | 11.98 | 70.79 | 204.19 | 587-1382-2-ND | 2,000 | 196.02/M | LMK325BJ226MY-T | | |
| | | 47µF | ±20% | 2.5 | 587-1383-1-ND | 19.57 | 115.62 | — | 587-1383-2-ND | 500 | 160.08 | LMK325BJ476MM-T | | |
| | | 100µF | ±20% | 2.5 | 587-1965-1-ND | 18.88 | 165.17 | — | 587-1965-2-ND | 500 | 424.71 | LMK325BJ107MM-T | | |
| | 6.3 | 2.2µF | ±10% | 2.5 | 587-1471-1-ND | 11.42 | 67.48 | — | 587-1471-2-ND | 500 | 93.29 | JMK325B1226KM-T | | |
| | | | ±20% | 2.5 | 587-1384-1-ND | 10.38 | 61.35 | — | 587-1384-2-ND | 500 | 84.94 | JMK325B1226MM-T | | |
| | | | ±20% | 2.0 Max. | 587-1385-1-ND | 9.58 | 56.63 | 163.35 | 587-1385-2-ND | 2,000 | 156.82/M | JMK325B1226MY-T | | |
| | | | ±20% | 1.9 | 587-1440-1-ND | 27.95 | 165.17 | 476.44 | 587-1440-2-ND | 2,000 | 457.38/M | JMK325B1476MM-T | | |
| | | 47µF | ±20% | 2.5 | 587-1386-1-ND | 18.37 | 108.54 | — | 587-1386-2-ND | 500 | 150.28 | JMK325B1476MM-T | | |
| | | | ±20% | 2.5 | 587-1387-1-ND | 35.14 | 207.64 | — | 587-1387-2-ND | 500 | 287.50 | JMK325B1107MM-T | | |
| | | | ±20% | 2.0 Max. | 587-1388-1-ND | 33.54 | 198.20 | — | 587-1388-2-ND | 2,000 | 548.86/M | JMK325B1107MY-T | | |
| | | | ±80% / -20% | 1.5 | 587-1389-1-ND | 4.79 | 28.31 | 81.68 | 587-1389-2-ND | 2,000 | 78.41/M | UMK325F475ZH-T | | |
| | | Y5V | 35 | 10µF | ±80% / -20% | 1.5 | 587-1391-1-ND | 5.19 | 30.67 | 88.48 | 587-1391-2-ND | 2,000 | 84.94/M | GMK325F106ZH-T |
| | | | 25 | 10µF | ±80% / -20% | 1.5 | 587-1393-1-ND | 3.83 | 22.65 | 65.34 | 587-1393-2-ND | 2,000 | 62.44/M | TMK325F106ZH-T |
| 16 | | | 22µF | ±80% / -20% | 1.9 | 587-1390-1-ND | 4.79 | 28.31 | 81.68 | 587-1390-2-ND | 2,000 | 78.41/M | EMK325F226ZN-T | |
| 10 | | | 22µF | ±80% / -20% | 1.9 | 587-1395-1-ND | 3.59 | 21.24 | 61.26 | 587-1395-2-ND | 2,000 | 58.81/M | LMK325F226ZN-T | |
| 6.3 | 47µF | ±80% / -20% | 1.9 | 587-1396-1-ND | 11.98 | 70.79 | 204.19 | 587-1396-2-ND | 2,000 | 196.02/M | JMK325F476ZN-T | | | |
| | 100µF | ±80% / -20% | 2.5 | 587-1397-1-ND | 19.17 | 113.26 | — | 587-1397-2-ND | 500 | 156.82 | JMK325F107ZM-T | | | |
| 1812 | X7R | 630 | 47000pF | ±10% | 2.5 | 587-1398-1-ND | 11.66 | 68.90 | — | 587-1398-2-ND | 500 | 95.47 | SMK432B7473KM-T | |
| | | 250 | .10µF | ±10% | 2.5 | 587-1399-1-ND | 9.58 | 56.63 | — | 587-1399-2-ND | 500 | 78.41 | QMK432B7104KM-T | |
| | | 100 | .22µF | ±10% | 2.5 | 587-1400-1-ND | 9.58 | 56.63 | — | 587-1400-2-ND | 500 | 78.41 | QMK432B7224KM-T | |
| | X5R | 630 | .10µF | ±10% | 2.5 | 587-1402-1-ND | 12.78 | 75.50 | — | 587-1402-2-ND | 500 | 104.54 | HMK432B7474KM-T | |
| | | 250 | 1.0µF | ±10% | 2.5 | 587-1403-1-ND | 16.37 | 96.74 | — | 587-1403-2-ND | 500 | 95.47 | HMK432B7105KM-T | |
| | | 100 | 2.2µF | ±10% | 2.5 | 587-1404-1-ND | 11.66 | 68.90 | — | 587-1404-2-ND | 500 | 95.47 | SMK432B7104KM-T | |
| 250 | | .47µF | ±10% | 2.5 | 587-1401-1-ND | 12.78 | 75.50 | — | 587-1401-2-ND | 500 | 104.54 | QMK432B7474KM-T | | |
| 100 | | 2.2µF | ±10% | 2.5 | 587-1404-1-ND | 17.41 | 102.87 | — | 587-1404-2-ND | 500 | 142.30 | HMK432B7225KM-T | | |
| 16 | | 22µF | ±20% | 2.5 | 587-1407-1-ND | 15.97 | 94.38 | — | 587-1407-2-ND | 500 | 130.68 | EMK432B226MM-T | | |
| X5S | Y5V | 10 | 22µF | ±20% | 2.5 | 587-1472-1-ND | 15.97 | 94.38 | — | 587-1472-2-ND | 500 | 130.68 | EMK432B226KM-T | |
| | | 10 | 22µF | ±20% | 2.5 | 587-1408-1-ND | 15.17 | 89.66 | — | 587-1408-2-ND | 500 | 124.15 | LMK432B226MM-T | |
| | | 6.3 | 47µF | ±20% | 2.5 | 587-1409-1-ND | 63.89 | 377.52 | — | 587-1409-2-ND | 500 | 522.72 | JMK432B1476MM-T | |
| | | 50 | 10µF | ±20% | 2.5 | 587-1411-1-ND | 14.37 | 84.94 | — | 587-1411-2-ND | 500 | 117.61 | UMK432C106MM-T | |
| | | 25 | 22µF | ±20% | 2.5 | 587-1412-1-ND | 29.15 | 172.24 | — | — | — | — | TMK432C226MM-T | |
| | | 10 | 47µF | ±80% / -20% | 2.5 | 587-1414-1-ND | 23.96 | 141.57 | — | 587-1414-2-ND | 500 | 196.02 | LMK432F476ZM-T | |

F

Kits

| | | |
|-------------------------------------|---|-------|
| ‡ 587-1794-ND (TAIYO-CAP100V-V1) | 10 each of values denoted – 0603, 0805, and 1206 case sizes, 5 each of values denoted – 1210 and 1812 case sizes (180 total pieces) | 49.01 |
| § 587-1795-ND (TAIYO-HIVOLT-CAP-V1) | 5 each of values denoted (110 total pieces) | 49.01 |
| ¶ 587-1797-ND (TAIYO-HICV-CAP-V2) | 10 each of values denoted (290 total pieces) | 49.01 |
| ★ 587-1798-ND (TAIYO-HICV-CAP-V3) | 10 each of values denoted (290 total pieces) | 49.01 |
| ▲ 587-1951-ND (TAIYO-0402NPO-V2) | 50 each of values denoted (1,500 total pieces) | 49.01 |

High Frequency Multilayer Ceramic Chip Capacitors



Features: Q-values in the high-frequency range (1 GHz+) are excellent compared to other types of multilayer capacitors. The 1005 (0402) case size is designed for high density mounting and weight reduction in various applications.

Applications: Suitable for those high-frequency applications in which a capacitor with both a high Q-value and small size is required, such as portable communications and other wireless applications: VCO, TCXO, etc. Adjustment of characteristics in high-frequency circuits.

Operating Temperature Range: -55 – 125°C

| Size Code | Type | WV DC | Capacitance (pF) | Tolerance | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel Pricing 10,000 | Taiyo Yuden Part No. |
|-----------|---------------|-------|------------------|---------------|-------------------|------------------|-----------------|---------------|-------------------|------------------------------|----------------------|
| | | | | | | 10 | 100 | 500 | | | |
| 0402 | COG (NPO) | 50 | 0.3 | ±0.1pF | 587-1000-1-ND | 1.20 | 7.08 | 20.42 | 587-1000-2-ND | 19.61/M | UVK105CH0R3BW-F |
| | | | 0.4 | | 587-1001-1-ND | 1.20 | 7.08 | 20.42 | 587-1001-2-ND | 19.61/M | UVK105CH0R4BW-F |
| | | | 0.5 | | 587-1002-1-ND | 1.20 | 7.08 | 20.42 | 587-1002-2-ND | 19.61/M | UVK105CH0R5BW-F |
| | | | 0.6 | 587-1003-1-ND | 1.20 | 7.08 | 20.42 | 587-1003-2-ND | 19.61/M | UVK105CH0R6BW-F | |
| | | | 0.7 | 587-1004-1-ND | 1.20 | 7.08 | 20.42 | 587-1004-2-ND | 19.61/M | UVK105CH0R7BW-F | |
| | | | 0.8 | 587-1005-1-ND | 1.20 | 7.08 | 20.42 | 587-1005-2-ND | 19.61/M | UVK105CH0R8BW-F | |
| | | | 0.9 | 587-1006-1-ND | 1.20 | 7.08 | 20.42 | 587-1006-2-ND | 19.61/M | UVK105CH0R9BW-F | |
| | | | 1.0 | 587-1007-1-ND | 1.20 | 7.08 | 20.42 | 587-1007-2-ND | 19.61/M | UVK105CH1010BW-F | |
| | | | 1.1 | 587-1008-1-ND | 1.20 | 7.08 | 20.42 | 587-1008-2-ND | 19.61/M | UVK105CH11R1BW-F | |
| | | | 1.2 | 587-1009-1-ND | 1.20 | 7.08 | 20.42 | 587-1009-2-ND | 19.61/M | UVK105CH11R2BW-F | |
| | | | 1.3 | 587-1010-1-ND | 1.20 | 7.08 | 20.42 | 587-1010-2-ND | 19.61/M | UVK105CH11R3BW-F | |
| | | | 1.5 | 587-1011-1-ND | 1.20 | 7.08 | 20.42 | 587-1011-2-ND | 19.61/M | UVK105CH11R5BW-F | |
| | | | 1.6 | 587-1012-1-ND | 1.20 | 7.08 | 20.42 | 587-1012-2-ND | 19.61/M | UVK105CH11R6BW-F | |
| | | | 1.8 | 587-1013-1-ND | 1.20 | 7.08 | 20.42 | 587-1013-2-ND | 19.61/M | UVK105CH11R8BW-F | |
| | | | 2.0 | 587-1014-1-ND | 1.20 | 7.08 | 20.42 | 587-1014-2-ND | 19.61/M | UVK105CH020BW-F | |
| | | | 2.2 | 587-1015-1-ND | 1.20 | 7.08 | 20.42 | 587-1015-2-ND | 19.61/M | UVK105CH2R2JW-F | |
| | | | 2.4 | 587-1016-1-ND | 1.20 | 7.08 | 20.42 | 587-1016-2-ND | 19.61/M | UVK105CH2R4JW-F | |
| | | | 2.7 | 587-1017-1-ND | 1.20 | 7.08 | 20.42 | 587-1017-2-ND | 19.61/M | UVK105CH2R7JW-F | |
| | | | 3.0 | 587-1018-1-ND | 1.20 | 7.08 | 20.42 | 587-1018-2-ND | 19.61/M | UVK105CH030JW-F | |
| | | | 3.3 | 587-1019-1-ND | 1.20 | 7.08 | 20.42 | 587-1019-2-ND | 19.61/M | UVK105CH3R3JW-F | |
| | | | 3.6 | 587-1020-1-ND | 1.20 | 7.08 | 20.42 | 587-1020-2-ND | 19.61/M | UVK105CH3R6JW-F | |
| | | | 3.9 | 587-1021-1-ND | 1.20 | 7.08 | 20.42 | 587-1021-2-ND | 19.61/M | UVK105CH3R9JW-F | |
| | | | 4.3 | 587-1022-1-ND | 1.20 | 7.08 | 20.42 | 587-1022-2-ND | 19.61/M | UVK105CH4R3JW-F | |
| | | | 4.7 | 587-1023-1-ND | 1.20 | 7.08 | 20.42 | 587-1023-2-ND | 19.61/M | UVK105CH4R7JW-F | |
| 5.1 | 587-1024-1-ND | 1.20 | 7.08 | 20.42 | 587-1024-2-ND | 19.61/M | UVK105CH5R1JW-F | | | | |

Kit

| | | |
|-----------------------------------|--|-------|
| 587-1799-ND (TAIYO-HIFREQ-CAP-V1) | 50 each of 25 values (1250 total pieces) | 49.01 |
|-----------------------------------|--|-------|

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.

Free shipping on orders over £50! All prices are in British pound sterling and include duties.

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(UK091) 1749

TAIYO YUDEN

Multilayer Ceramic Chip Capacitor Arrays

Features:

Internal electrode is nickel for increased cost performance and reliability

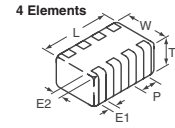
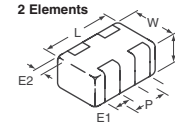
Applications:

Communication Equipment: Mobile Phones, PHS, Cordless Phones, etc.

Operating Temperature Range:

- X7R: -55° ~ 125°C
- X5R: -55° ~ 85°C

| Type (Size Code) | Dimensions (mm) | | | | |
|------------------|-----------------|-------------|------|------|------|
| | L | W | E1 | E2 | P |
| □2K110 (0504) | 1.37 | 1.00 ± 0.08 | 0.36 | 0.20 | 0.64 |
| □4K212 (0805) | 2.00 | 1.25 ± 0.10 | 0.25 | 0.25 | 0.50 |



| Size Code | Type | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. |
|-------------------|------|-------|-------------|-----------|------------------|-------------------|------------------|-------|-------|-------------------|---------------|---------|----------------------|
| | | | | | | | 10 | 100 | 500 | | Qty. | Pricing | |
| 2 Elements | | | | | | | | | | | | | |
| 0504 | X7R | 25 | .10µF | ±10% | 0.6 | 587-1034-1-ND | 1.28 | 7.55 | 21.78 | 587-1034-2-ND | 4,000 | 21.06/M | T2K110BJ104KB-T |
| | | 16 | .10µF | ±10% | 0.6 | 587-1036-1-ND | 1.28 | 7.55 | 21.78 | 587-1036-2-ND | 4,000 | 21.06/M | E2K110B7104KB-T |
| 4 Elements | | | | | | | | | | | | | |
| 0805 | X5R | 25 | .10µF | ±10% | 0.85 | 587-1045-1-ND | 3.27 | 19.35 | 55.81 | 587-1045-2-ND | 4,000 | 53.73/M | T4K212BJ104KD-T |
| | | 16 | .10µF | ±10% | 0.85 | 587-1046-1-ND | 2.08 | 12.27 | 35.39 | 587-1046-2-ND | 4,000 | 34.13/M | E4K212B7104KD-T |
| | | 10 | .22µF | ±10% | 0.85 | 587-1047-1-ND | 3.75 | 22.18 | 63.98 | 587-1047-2-ND | 4,000 | 61.71/M | L4K212BJ224KD-T |

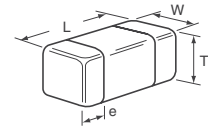
Super Low Distortion Multilayer Ceramic Capacitors (CFCAP)

Features: Newly developed dielectric material and the use of nickel for internal electrodes provide excellent temperature characteristics with high capacitance, small case size, and low cost. Low distortion and low shock noise make these capacitors well-suited for use in analog or digital mobile devices. Excellent heat-resistance, high break-down voltage, and mechanical strength make these capacitors well suited for replacing film capacitors.

Applications: • Signal line for AV products • Analog signal coupling applications • PLL circuit of mobile phones • Good temperature characteristics for time-constant circuits, oscillation circuits and filters

Specifications: • Operating Temperature: -55°C ~ 125°C

| Type (Size Code) | Dimensions (mm) | | |
|------------------|-----------------|-------------|------|
| | L | W | e |
| □MK105 (0402) | 1.0 | 0.5 ± 0.05 | 0.25 |
| □MK107 (0603) | 1.6 | 0.8 ± 0.10 | 0.35 |
| □MK212 (0805) | 2.0 | 1.25 ± 0.10 | 0.5 |
| □MK316 (1206) | 3.2 | 1.6 ± 0.15 | 0.5 |



F

| Size Code | WV DC | Capacitance | Tolerance | Dimension T (mm) | Digi-Key Part No. | Cut Tape Pricing | | | Digi-Key Part No. | Tape and Reel | | Taiyo Yuden Part No. |
|-----------|---------|-------------|-----------|------------------|-------------------|------------------|--------|---------------|-------------------|---------------|-----------------|----------------------|
| | | | | | | 10 | 100 | 500 | | Qty. | Pricing | |
| 0402 | 50 | 390pF | ±5% | 0.5 | 587-1462-1-ND | 3.10 | 18.31 | 52.82 | 587-1462-2-ND | 10,000 | 50.82/M | UMK105SD391JV-F |
| | | 390pF | ±10% | 0.5 | 587-1461-1-ND | 2.90 | 17.18 | 49.55 | 587-1461-2-ND | 10,000 | 47.92/M | UMK105SD391KV-F |
| | | 470pF | ±5% | 0.5 | 587-1464-1-ND | 3.10 | 18.31 | 52.82 | 587-1464-2-ND | 10,000 | 50.82/M | UMK105SD471JV-F |
| | | 470pF | ±10% | 0.5 | 587-1463-1-ND | 2.82 | 16.71 | 48.19 | 587-1463-2-ND | 10,000 | 46.47/M | UMK105SD471KV-F |
| | | 560pF | ±5% | 0.5 | 587-1466-1-ND | 3.10 | 18.31 | 52.82 | 587-1466-2-ND | 10,000 | 50.82/M | UMK105SD561JV-F |
| | | 560pF | ±10% | 0.5 | 587-1465-1-ND | 2.90 | 17.18 | 49.55 | 587-1465-2-ND | 10,000 | 47.92/M | UMK105SD561KV-F |
| | 25 | 1000pF | ±5% | 0.5 | 587-1051-1-ND | 3.19 | 18.88 | 54.45 | 587-1051-2-ND | 10,000 | 52.28/M | TMK105SD102JV-F |
| | | 1200pF | ±5% | 0.5 | 587-1053-1-ND | 3.27 | 19.35 | 55.81 | 587-1053-2-ND | 10,000 | 53.73/M | TMK105SD122JV-F |
| | | 1500pF | ±5% | 0.5 | 587-1055-1-ND | 3.11 | 18.40 | 53.09 | 587-1055-2-ND | 10,000 | 50.82/M | EMK105SD152JV-F |
| | | 1500pF | ±10% | 0.5 | 587-1056-1-ND | 2.95 | 17.46 | 50.37 | 587-1056-2-ND | 10,000 | 48.65/M | EMK105SD152KV-F |
| | | 1800pF | ±5% | 0.5 | 587-1057-1-ND | 3.11 | 18.40 | 53.09 | 587-1057-2-ND | 10,000 | 50.82/M | EMK105SD182JV-F |
| | | 2200pF | ±5% | 0.5 | 587-1059-1-ND | 3.11 | 18.40 | 53.09 | 587-1059-2-ND | 10,000 | 50.82/M | EMK105SD222JV-F |
| 16 | 2700pF | ±5% | 0.5 | 587-1061-1-ND | 3.11 | 18.40 | 53.09 | 587-1061-2-ND | 10,000 | 50.82/M | EMK105SD272JV-F | |
| | 3300pF | ±5% | 0.5 | 587-1063-1-ND | 3.11 | 18.40 | 53.09 | 587-1063-2-ND | 10,000 | 50.82/M | LMK105SD332JV-F | |
| | 3900pF | ±5% | 0.5 | 587-1065-1-ND | 3.35 | 19.82 | 57.17 | 587-1065-2-ND | 10,000 | 55.18/M | LMK105SD392JV-F | |
| | 4700pF | ±5% | 0.5 | 587-1067-1-ND | 3.43 | 20.29 | 58.54 | 587-1067-2-ND | 10,000 | 55.91/M | LMK105SD472JV-F | |
| | 4700pF | ±10% | 0.5 | 587-1068-1-ND | 3.27 | 19.35 | 55.81 | 587-1068-2-ND | 10,000 | 53.73/M | LMK105SD472KV-F | |
| | 50 | 1000pF | ±5% | 0.8 | 587-1069-1-ND | 3.19 | 18.88 | 54.45 | 587-1069-2-ND | 4,000 | 52.28/M | UMK107SD102JA-T |
| 0603 | 50 | 1000pF | ±10% | 0.8 | 587-1070-1-ND | 2.80 | 16.52 | 47.65 | 587-1070-2-ND | 4,000 | 45.74/M | UMK107SD102KA-T |
| | | 1200pF | ±5% | 0.8 | 587-1071-1-ND | 3.99 | 23.60 | 68.06 | 587-1071-2-ND | 4,000 | 65.34/M | UMK107SD122JA-T |
| | | 1500pF | ±10% | 0.8 | 587-1074-1-ND | 3.67 | 21.71 | 62.62 | 587-1074-2-ND | 4,000 | 60.26/M | UMK107SD152KA-T |
| | | 2200pF | ±5% | 0.8 | 587-1077-1-ND | 3.75 | 22.18 | 63.98 | 587-1077-2-ND | 4,000 | 61.71/M | UMK107SD222JA-T |
| | | 2200pF | ±10% | 0.8 | 587-1078-1-ND | 3.35 | 19.82 | 57.17 | 587-1078-2-ND | 4,000 | 55.18/M | UMK107SD222KA-T |
| | | 2700pF | ±5% | 0.8 | 587-1079-1-ND | 3.99 | 23.60 | 68.06 | 587-1079-2-ND | 4,000 | 65.34/M | UMK107SD272JA-T |
| | 25 | 3900pF | ±5% | 0.8 | 587-1083-1-ND | 3.59 | 21.24 | 61.26 | 587-1083-2-ND | 4,000 | 58.81/M | TMK107SD392JA-T |
| | | 4700pF | ±5% | 0.8 | 587-1085-1-ND | 3.59 | 21.24 | 61.26 | 587-1085-2-ND | 4,000 | 58.81/M | TMK107SD472JA-T |
| | | 6800pF | ±5% | 0.8 | 587-1089-1-ND | 3.75 | 22.18 | 63.98 | 587-1089-2-ND | 4,000 | 61.71/M | EMK107SD682JA-T |
| | | 8200pF | ±5% | 0.8 | 587-1091-1-ND | 3.75 | 22.18 | 63.98 | 587-1091-2-ND | 4,000 | 61.71/M | EMK107SD822JA-T |
| | | 10000pF | ±5% | 0.8 | 587-1093-1-ND | 3.19 | 18.88 | 54.45 | 587-1093-2-ND | 4,000 | 52.28/M | EMK107SD103JA-T |
| | | 10000pF | ±10% | 0.8 | 587-1094-1-ND | 2.80 | 16.52 | 47.65 | 587-1094-2-ND | 4,000 | 45.74/M | EMK107SD103KA-T |
| 16 | 1200pF | ±5% | 0.8 | 587-1095-1-ND | 4.07 | 24.07 | 69.43 | 587-1095-2-ND | 4,000 | 66.80/M | LMK107SD123JA-T | |
| | 1500pF | ±5% | 0.8 | 587-1097-1-ND | 4.07 | 24.07 | 69.43 | 587-1097-2-ND | 4,000 | 66.80/M | LMK107SD153JA-T | |
| | 1800pF | ±5% | 0.8 | 587-1099-1-ND | 4.07 | 24.07 | 69.43 | 587-1099-2-ND | 4,000 | 66.80/M | LMK107SD183JA-T | |
| | 2200pF | ±5% | 0.8 | 587-1101-1-ND | 4.07 | 24.07 | 69.43 | 587-1101-2-ND | 4,000 | 66.80/M | LMK107SD223JA-T | |
| | 2200pF | ±10% | 0.8 | 587-1102-1-ND | 3.27 | 19.35 | 55.81 | 587-1102-2-ND | 4,000 | 53.73/M | LMK107SD223KA-T | |
| | 50 | 4700pF | ±5% | 0.85 | 587-1105-1-ND | 4.23 | 25.01 | 72.15 | 587-1105-2-ND | 4,000 | 68.97/M | UMK212SD472JD-T |
| 0805 | 50 | 10000pF | ±5% | 0.85 | 587-1113-1-ND | 3.99 | 23.60 | 68.06 | 587-1113-2-ND | 4,000 | 65.34/M | UMK212SD103JD-T |
| | | 10000pF | ±10% | 0.85 | 587-1114-1-ND | 3.59 | 21.24 | 61.26 | 587-1114-2-ND | 4,000 | 58.81/M | UMK212SD103KD-T |
| | | 18000pF | ±5% | 1.25 | 587-1119-1-ND | 4.47 | 26.43 | 76.23 | 587-1119-2-ND | 3,000 | 73.33/M | GMK212SD183JG-T |
| | | 22000pF | ±5% | 1.25 | 587-1121-1-ND | 4.47 | 26.43 | 76.23 | 587-1121-2-ND | 3,000 | 73.33/M | GMK212SD223JG-T |
| | | 22000pF | ±10% | 1.25 | 587-1122-1-ND | 4.15 | 24.54 | 70.79 | 587-1122-2-ND | 3,000 | 68.25/M | GMK212SD223KG-T |
| | | 27000pF | ±5% | 1.25 | 587-1123-1-ND | 4.55 | 26.90 | 77.59 | 587-1123-2-ND | 3,000 | 74.78/M | GMK212SD273JG-T |
| | 35 | 33000pF | ±5% | 0.85 | 587-1125-1-ND | 4.97 | 29.35 | 84.67 | 587-1125-2-ND | 4,000 | 81.32/M | EMK212SD333JD-T |
| | | 33000pF | ±10% | 0.85 | 587-1126-1-ND | 4.47 | 26.43 | 76.23 | 587-1126-2-ND | 4,000 | 73.33/M | EMK212SD333KD-T |
| | | 47000pF | ±5% | 0.85 | 587-1127-1-ND | 4.95 | 29.26 | 84.40 | 587-1127-2-ND | 4,000 | 81.32/M | LMK212SD473JD-T |
| | | 68000pF | ±5% | 1.25 | 587-1129-1-ND | 4.95 | 29.26 | 84.40 | 587-1129-2-ND | 3,000 | 81.32/M | LMK212SD683JG-T |
| | | 82000pF | ±5% | 1.25 | 587-1131-1-ND | 4.95 | 29.26 | 84.40 | 587-1131-2-ND | 3,000 | 81.32/M | LMK212SD823JG-T |
| | | 82000pF | ±10% | 1.25 | 587-1132-1-ND | 4.63 | 27.37 | 78.95 | 587-1132-2-ND | 3,000 | 75.51/M | LMK212SD823KG-T |
| 10 | .10µF | ±5% | 1.25 | 587-1133-1-ND | 3.59 | 21.24 | 61.26 | 587-1133-2-ND | 3,000 | 58.81/M | LMK212SD104JG-T | |
| | .10µF | ±10% | 1.25 | 587-1134-1-ND | 3.43 | 20.29 | 58.54 | 587-1134-2-ND | 3,000 | 55.91/M | LMK212SD104KG-T | |
| | 47000pF | ±5% | 1.15 | 587-1139-1-ND | 6.95 | 41.06 | 118.43 | 587-1139-2-ND | 3,000 | 113.99/M | TMK316SD473JF-T | |
| | 68000pF | ±5% | 1.15 | 587-1143-1-ND | 6.95 | 41.06 | 118.43 | 587-1143-2-ND | 3,000 | 113.99/M | TMK316SD683JF-T | |
| | .10µF | ±5% | 1.6 | 587-1147-1-ND | 5.19 | 30.67 | 88.48 | 587-1147-2-ND | 2,000 | 84.94/M | TMK316SD104JL-T | |
| | .10µF | ±10% | 1.6 | 587-1148-1-ND | 4.71 | 27.84 | 80.32 | 587-1148-2-ND | 2,000 | 76.96/M | TMK316SD104KL-T | |

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