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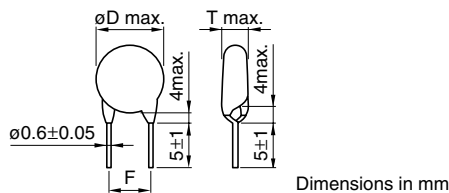
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Mid-high Voltage Ceramic Capacitors(Disk with Lead) General Use CK45 Series

Conformity to RoHS Directive

SHAPES AND DIMENSIONS



CAPACITANCE TEMPERATURE CHARACTERISTICS AND TOLERANCE

| Temperature characteristics | Temperature range | Capacitance tolerance |
|-----------------------------|-------------------|-----------------------|
| B(±10%) | -25 to +85°C | K(±10%) |
| E(+20, -55%) | -25 to +85°C | Z(+80, -20%) |

CAPACITANCE AND DIMENSIONS

TEMPERATURE CHARACTERISTICS: B(±10%)

RATED VOLTAGE Edc: 1kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|---|------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-B3AD101KYNN to CK45-B3AD681KYNN | 100*, 120, 150* | 5.5 | 5 | 5±1.5 |
| | 180, 220*, 270 | | | |
| | 330*, 390, 470* | | | |
| | 560, 680* | | | |
| CK45-B3AD821KYNN | 820 | 6 | 5 | 5±1.5 |
| CK45-B3AD102KYNN | 1,000* | 6 | 5 | 5±1.5 |
| CK45-B3AD122KYNN | 1,200 | 6.5 | 5 | 5±1.5 |
| CK45-B3AD152KYNN | 1,500* | 7 | 5 | 5±1.5 |
| CK45-B3AD182KYNN | 1,800 | 7.5 | 5 | 5±1.5 |
| CK45-B3AD222KYNN | 2,200* | 8.5 | 5 | 5±1.5 |
| CK45-B3AD272KYNN | 2,700 | 9 | 5 | 5±1.5 |
| CK45-B3AD332KYNN | 3,300* | 9.5 | 5 | 5±1.5 |
| CK45-B3AD392KYNN | 3,900 | 10 | 5 | 5±1.5 |
| CK45-B3AD472KYNN | 4,700* | 11 | 5 | 5±1.5 |
| CK45-B3AD562KYNN | 5,600 | 12 | 5 | 7.5±1.5 |
| CK45-B3AD682KYNN | 6,800* | 13 | 5 | 7.5±1.5 |
| CK45-B3AD822KYNN | 8,200 | 14 | 5 | 7.5±1.5 |
| CK45-B3AD103KYNN | 10,000* | 15 | 5 | 7.5±1.5 |

RATED VOLTAGE Edc: 2kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|---|------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-B3DD101KYNN to CK45-B3DD471KYNN | 100*, 120, 150* | 5.5 | 5 | 5±1.5 |
| | 180, 220*, 270 | | | |
| | 330*, 470* | | | |
| CK45-B3DD561KYNN | 560 | 6 | 5 | 5±1.5 |
| CK45-B3DD681KYNN | 680* | 6.5 | 5 | 5±1.5 |
| CK45-B3DD821KYNN | 820 | 7 | 5 | 5±1.5 |
| CK45-B3DD102KYNN | 1,000* | 7.5 | 5 | 5±1.5 |
| CK45-B3DD122KYNN | 1,200 | 8 | 5 | 5±1.5 |
| CK45-B3DD152KYNN | 1,500* | 8.5 | 5 | 5±1.5 |
| CK45-B3DD182KYNN | 1,800 | 9 | 5 | 5±1.5 |
| CK45-B3DD222KYNN | 2,200* | 10 | 5 | 5±1.5 |
| CK45-B3DD272KYNN | 2,700 | 10.5 | 5 | 5±1.5 |
| CK45-B3DD332KYNN | 3,300* | 11.5 | 5 | 7.5±1.5 |
| CK45-B3DD392KYNN | 3,900 | 12.5 | 5 | 7.5±1.5 |
| CK45-B3DD472KYNN | 4,700* | 14 | 5 | 7.5±1.5 |

* 1kV and 2kV are E6 series standard products in Temperature characteristics B.

RATED VOLTAGE Edc: 3kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|------------------|------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-B3FD101KYNN | 100 | 5.5 | 6 | 7.5±1.5 |
| CK45-B3FD121KYNN | 120 | 5.5 | 6 | 7.5±1.5 |
| CK45-B3FD151KYNN | 150 | 5.5 | 6 | 7.5±1.5 |
| CK45-B3FD181KYNN | 180 | 5.5 | 6 | 7.5±1.5 |
| CK45-B3FD221KYNN | 220 | 5.5 | 6 | 7.5±1.5 |
| CK45-B3FD271KYNN | 270 | 6 | 6 | 7.5±1.5 |
| CK45-B3FD331KYNN | 330 | 6.5 | 6 | 7.5±1.5 |
| CK45-B3FD391KYNN | 390 | 6.5 | 6 | 7.5±1.5 |
| CK45-B3FD471KYNN | 470 | 7 | 6 | 7.5±1.5 |
| CK45-B3FD561KYNN | 560 | 7.5 | 6 | 7.5±1.5 |
| CK45-B3FD681KYNN | 680 | 8 | 6 | 7.5±1.5 |
| CK45-B3FD821KYNN | 820 | 8.5 | 6 | 7.5±1.5 |
| CK45-B3FD102KYNN | 1,000 | 9 | 6 | 7.5±1.5 |
| CK45-B3FD122KYNN | 1,200 | 9.5 | 6 | 7.5±1.5 |
| CK45-B3FD152KYNN | 1,500 | 10.5 | 6 | 7.5±1.5 |
| CK45-B3FD182KYNN | 1,800 | 11.5 | 6 | 7.5±1.5 |
| CK45-B3FD222KYNN | 2,200 | 12.5 | 6 | 7.5±1.5 |
| CK45-B3FD272KYNN | 2,700 | 13.5 | 6 | 7.5±1.5 |
| CK45-B3FD332KYNN | 3,300 | 14.5 | 6 | 7.5±1.5 |

• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

CAPACITANCE AND DIMENSIONS

TEMPERATURE CHARACTERISTICS: E(+20, -55%)

RATED VOLTAGE E_{dc}: 1kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|------------------|---------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-E3AD471ZYNN | 470* | 5.5 | 5 | 5±1.5 |
| CK45-E3AD681ZYNN | 680 | 5.5 | 5 | 5±1.5 |
| CK45-E3AD102ZYNN | 1,000* | 5.5 | 5 | 5±1.5 |
| CK45-E3AD152ZYNN | 1,500 | 5.5 | 5 | 5±1.5 |
| CK45-E3AD222ZYNN | 2,200* | 6.5 | 5 | 5±1.5 |
| CK45-E3AD332ZYNN | 3,300 | 7.5 | 5 | 5±1.5 |
| CK45-E3AD472ZYNN | 4,700* | 8.5 | 5 | 5±1.5 |
| CK45-E3AD682ZYNN | 6,800 | 10 | 5 | 5±1.5 |
| CK45-E3AD103ZYNN | 10,000* | 11.5 | 5 | 7.5±1.5 |

RATED VOLTAGE E_{dc}: 2kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|------------------|---------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-E3DD471ZYNN | 470* | 5.5 | 5 | 5±1.5 |
| CK45-E3DD681ZYNN | 680 | 5.5 | 5 | 5±1.5 |
| CK45-E3DD102ZYNN | 1,000* | 6 | 5 | 5±1.5 |
| CK45-E3DD152ZYNN | 1,500 | 7 | 5 | 5±1.5 |
| CK45-E3DD222ZYNN | 2,200* | 8 | 5 | 5±1.5 |
| CK45-E3DD332ZYNN | 3,300 | 9 | 5 | 5±1.5 |
| CK45-E3DD472ZYNN | 4,700* | 10.5 | 5 | 5±1.5 |
| CK45-E3DD682ZYNN | 6,800 | 12.5 | 5 | 7.5±1.5 |
| CK45-E3DD103ZYNN | 10,000* | 14.5 | 5 | 7.5±1.5 |

* 1kV and 2kV are E3 series standard products in Temperature characteristics E.

RATED VOLTAGE E_{dc}: 3kV

| Part No. | Capacitance (pF) | Dimensions (mm) | | |
|------------------|---------------------|-----------------|--------|---------|
| | | øD max. | T max. | F |
| CK45-E3FD471ZYNN | 470 | 6 | 6 | 7.5±1.5 |
| CK45-E3FD681ZYNN | 680 | 6.5 | 6 | 7.5±1.5 |
| CK45-E3FD102ZYNN | 1,000 | 7.5 | 6 | 7.5±1.5 |
| CK45-E3FD152ZYNN | 1,500 | 8.5 | 6 | 7.5±1.5 |
| CK45-E3FD222ZYNN | 2,200 | 9.5 | 6 | 7.5±1.5 |
| CK45-E3FD332ZYNN | 3,300 | 11.5 | 6 | 7.5±1.5 |
| CK45-E3FD472ZYNN | 4,700 | 12.5 | 6 | 7.5±1.5 |
| CK45-E3FD682ZYNN | 6,800 | 15 | 6 | 7.5±1.5 |
| CK45-E3FD103ZYNN | 10,000 | 17.5 | 6 | 10±2 |

• For more information about products with other capacitance or other data, please contact us.

• All specifications are subject to change without notice.