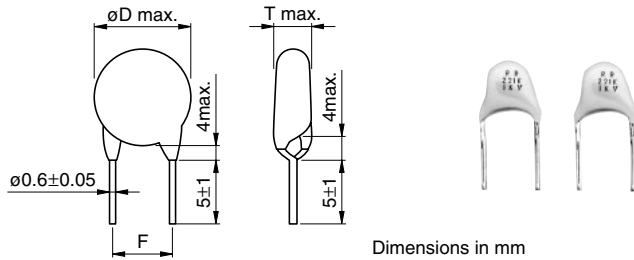


# Mid-high Voltage Ceramic Capacitors(Disk with Lead) Low Dissipation at High Frequency CK45-RR Series

Conformity to RoHS Directive

## SHAPES AND DIMENSIONS



## CAPACITANCE TEMPERATURE CHARACTERISTICS AND TOLERANCE

| Temperature characteristics | Temperature range | Capacitance tolerance |
|-----------------------------|-------------------|-----------------------|
| R(+15, -30%)                | -25 to +125°C     | K(±10%)               |

## CAPACITANCE AND DIMENSIONS

RATED VOLTAGE Edc: 1kV

| Part No.         | Capacitance (pF) | Dimensions (mm) |        |         |
|------------------|------------------|-----------------|--------|---------|
|                  |                  | øD max.         | T max. | F       |
| CK45-R3AD101K-NR | 100*             | 6               | 5      | 5±1.5   |
| CK45-R3AD121K-NR | 120              | 6               | 5      | 5±1.5   |
| CK45-R3AD151K-NR | 150*             | 6               | 5      | 5±1.5   |
| CK45-R3AD181K-NR | 180              | 6               | 5      | 5±1.5   |
| CK45-R3AD221K-NR | 220*             | 6               | 5      | 5±1.5   |
| CK45-R3AD271K-NR | 270              | 6               | 5      | 5±1.5   |
| CK45-R3AD331K-NR | 330*             | 6.5             | 5      | 5±1.5   |
| CK45-R3AD391K-NR | 390              | 6.5             | 5      | 5±1.5   |
| CK45-R3AD471K-NR | 470*             | 7               | 5      | 5±1.5   |
| CK45-R3AD561K-NR | 560              | 7.5             | 5      | 5±1.5   |
| CK45-R3AD681K-NR | 680*             | 8               | 5      | 5±1.5   |
| CK45-R3AD821K-NR | 820              | 8.5             | 5      | 5±1.5   |
| CK45-R3AD102K-NR | 1,000*           | 9               | 5      | 5±1.5   |
| CK45-R3AD122K-NR | 1,200            | 9.5             | 5      | 5±1.5   |
| CK45-R3AD152K-NR | 1,500*           | 10              | 5      | 5±1.5   |
| CK45-R3AD182K-NR | 1,800            | 10.5            | 5      | 5±1.5   |
| CK45-R3AD222K-NR | 2,200*           | 11.5            | 5      | 7.5±1.5 |
| CK45-R3AD272K-NR | 2,700            | 12.5            | 5      | 7.5±1.5 |
| CK45-R3AD332K-NR | 3,300*           | 13.5            | 5      | 7.5±1.5 |
| CK45-R3AD392K-NR | 3,900            | 14.5            | 5      | 7.5±1.5 |
| CK45-R3AD472K-NR | 4,700*           | 15.5            | 5      | 10±2    |

\* 1kV and 2kV are E6 series standard products.

RATED VOLTAGE Edc: 2kV

| Part No.         | Capacitance (pF) | Dimensions (mm) |        |         |
|------------------|------------------|-----------------|--------|---------|
|                  |                  | øD max.         | T max. | F       |
| CK45-R3DD101K-NR | 100*             | 6               | 5      | 5±1.5   |
| CK45-R3DD121K-NR | 120              | 6               | 5      | 5±1.5   |
| CK45-R3DD151K-NR | 150*             | 6               | 5      | 5±1.5   |
| CK45-R3DD181K-NR | 180              | 6.5             | 5      | 5±1.5   |
| CK45-R3DD221K-NR | 220*             | 7               | 5      | 5±1.5   |
| CK45-R3DD271K-NR | 270              | 7               | 5      | 5±1.5   |
| CK45-R3DD331K-NR | 330*             | 7.5             | 5      | 5±1.5   |
| CK45-R3DD391K-NR | 390              | 8               | 5      | 5±1.5   |
| CK45-R3DD471K-NR | 470*             | 8.5             | 5      | 5±1.5   |
| CK45-R3DD561K-NR | 560              | 9               | 5      | 5±1.5   |
| CK45-R3DD681K-NR | 680*             | 9.5             | 5      | 5±1.5   |
| CK45-R3DD821K-NR | 820              | 10              | 5      | 5±1.5   |
| CK45-R3DD102K-NR | 1,000*           | 11              | 5      | 5±1.5   |
| CK45-R3DD122K-NR | 1,200            | 11.5            | 5      | 7.5±1.5 |
| CK45-R3DD152K-NR | 1,500*           | 12              | 5      | 7.5±1.5 |
| CK45-R3DD182K-NR | 1,800            | 13.5            | 5      | 7.5±1.5 |
| CK45-R3DD222K-NR | 2,200*           | 14.5            | 5      | 7.5±1.5 |
| CK45-R3DD272K-NR | 2,700            | 15.5            | 5      | 10±2    |
| CK45-R3DD332K-NR | 3,300*           | 17              | 5      | 10±2    |
| CK45-R3DD392K-NR | 3,900            | 18              | 5      | 10±2    |
| CK45-R3DD472K-NR | 4,700*           | 19.5            | 5      | 10±2    |

\* 1kV and 2kV are E6 series standard products.

RATED VOLTAGE Edc: 3kV

| Part No.         | Capacitance (pF) | Dimensions (mm) |        |         |
|------------------|------------------|-----------------|--------|---------|
|                  |                  | øD max.         | T max. | F       |
| CK45-R3FD101K-NR | 100              | 6               | 6      | 7.5±1.5 |
| CK45-R3FD121K-NR | 120              | 6.5             | 6      | 7.5±1.5 |
| CK45-R3FD151K-NR | 150              | 7               | 6      | 7.5±1.5 |
| CK45-R3FD181K-NR | 180              | 7               | 6      | 7.5±1.5 |
| CK45-R3FD221K-NR | 220              | 7.5             | 6      | 7.5±1.5 |
| CK45-R3FD271K-NR | 270              | 8               | 6      | 7.5±1.5 |
| CK45-R3FD331K-NR | 330              | 8.5             | 6      | 7.5±1.5 |
| CK45-R3FD391K-NR | 390              | 9               | 6      | 7.5±1.5 |
| CK45-R3FD471K-NR | 470              | 9.5             | 6      | 7.5±1.5 |
| CK45-R3FD561K-NR | 560              | 10              | 6      | 7.5±1.5 |
| CK45-R3FD681K-NR | 680              | 10.5            | 6      | 7.5±1.5 |
| CK45-R3FD821K-NR | 820              | 11.5            | 6      | 7.5±1.5 |
| CK45-R3FD102K-NR | 1,000            | 12              | 6      | 7.5±1.5 |
| CK45-R3FD122K-NR | 1,200            | 13              | 6      | 7.5±1.5 |
| CK45-R3FD152K-NR | 1,500            | 14.5            | 6      | 7.5±1.5 |
| CK45-R3FD182K-NR | 1,800            | 15.5            | 6      | 10±2    |
| CK45-R3FD222K-NR | 2,200            | 16.5            | 6      | 10±2    |
| CK45-R3FD272K-NR | 2,700            | 18              | 6      | 10±2    |

- For more information about the products of other capacitance or data, please contact us.

- 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.