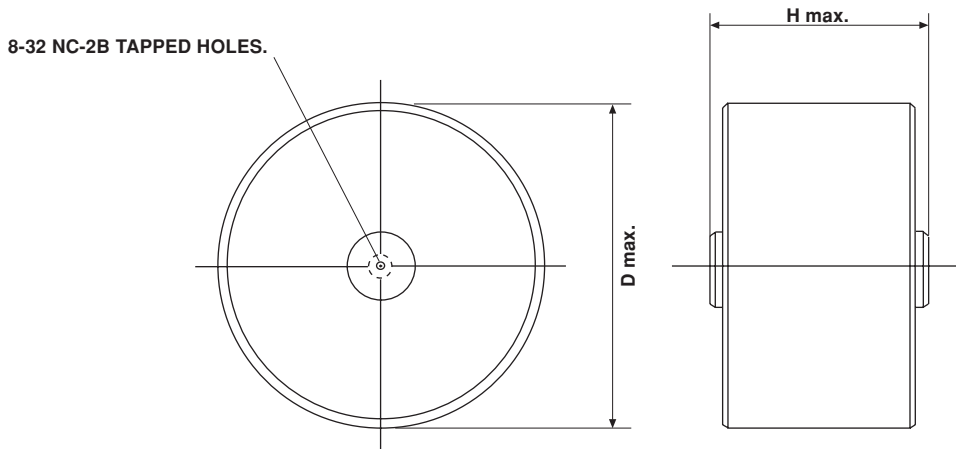


High Voltage Disc Capacitors, Screw mounting

10KT... 10KV_{DC}
15KT... 15KV_{DC}
20KT... 20KV_{DC}
30KT... 30KV_{DC}
40KT... 40KV_{DC}

15DK... 15KV_{DC}
20DK... 20KV_{DC}
30DK... 30KV_{DC}
40DK... 40KV_{DC}



NOTE: Screw torque limit must be 12 inch pounds. Use #8-32, 3/16" long screw to prevent bottoming

• Dimensions in millimeters (inches)

DIELECTRIC STRENGTH

150% of rated voltage, charging current limited to 50mA

DISSIPATION FACTOR tanδ

N4700: ≤ 2 • 10⁻³ (1kHz)

Y5U: ≤ 20 • 10⁻³ (1kHz)

INSULATION RESISTANCE

MIN. 200,000 megohms or 1000 ΩF, min. @ 25°C

CORONA LIMIT

Ranges from 50MHz for small diameters to 10 MHz for large diameters

OPERATING TEMPERATURE RANGE

- 30°C to + 85°C

MATERIAL

Capacitor elements made from Class 1 or Class 3 ceramic in a molded epoxy case. Screw terminals: brass, silver plated

MARKING

Type designator, Capacitance value, Rated DC voltage, Ceramic material code, Production date code, CERAMITE Logo

POWER DISSIPATION

Limit to 25°C rise above ambient, measured on case.

ORDERING INFORMATION

| | | | | |
|---------|--------------------|-------------------|-----------|---------|
| 15DKD20 | 15KV _{DC} | 2000pF | - 20+ 80% | Y5U |
| MODEL | RATED VOLTAGE | CAPACITANCE VALUE | TOLERANCE | CERAMIC |



| MODEL | CERAMIC | CAPACITANCE VALUES [pF] | RATED VOLTAGE [KV _{DC}] | RATED VOLTAGE [KV _{RMS}] | D _{max.} | H _{max.} |
|----------------|---------|----------------------------|--------------------------------------|---------------------------------------|-------------------|-------------------|
| 10KT... | | | | | | |
| 10KTD10 | N4700 | 1000 | 10 | 4 | 33.0 (1.30) | 19.8 (0.78) |
| 10KTD22 | | 2200 | | | 39.4 (1.55) | 19.8 (0.78) |
| 10KTD39 | | 3900 | | | 54.1 (2.13) | 19.8 (0.78) |
| 10KTD47 | | 4700 | | | 58.4 (2.30) | 19.8 (0.78) |
| 15KT... | | | | | | |
| 15KTT82 | N4700 | 820 | 15 | 6 | 33.0 (1.30) | 22.9 (0.90) |
| 15KTD19 | | 1900 | | | 54.1 (2.13) | 22.9 (0.90) |
| 15KTD33 | | 3300 | | | 58.4 (2.30) | 22.9 (0.90) |
| 20KT... | | | | | | |
| 20KTT56 | N4700 | 560 | 20 | 8 | 33.0 (1.30) | 25.4 (1.00) |
| 20KTD10 | | 1000 | | | 39.4 (1.55) | 25.4 (1.00) |
| 20KTD19 | | 1900 | | | 54.1 (2.13) | 25.4 (1.00) |
| 20KTD27 | | 2700 | | | 61.5 (2.42) | 25.4 (1.00) |
| 30KT... | | | | | | |
| 30KTT40 | N4700 | 400 | 30 | 10 | 33.0 (1.30) | 30.0 (1.18) |
| 30KTT66 | | 660 | | | 39.4 (1.55) | 30.0 (1.18) |
| 30KTD12 | | 1200 | | | 54.1 (2.13) | 30.0 (1.18) |
| 30KTD18 | | 1800 | | | 61.5 (2.42) | 30.0 (1.18) |
| 40KT... | | | | | | |
| 40KTT30 | N4700 | 300 | 40 | 13 | 33.0 (1.30) | 34.5 (1.36) |
| 40KTT64 | | 640 | | | 45.7 (1.80) | 34.5 (1.36) |
| 40KTD10 | | 1000 | | | 54.1 (2.13) | 34.5 (1.36) |
| 40KTD13 | | 1300 | | | 61.5 (2.42) | 34.5 (1.36) |
| 15DK... | | | | | | |
| 15DKD15 | Y5U | 1500 | 15 | 4 | 26.7 (1.05) | 22.9 (0.90) |
| 15DKD20 | | 2000 | | | 33.0 (1.30) | 22.9 (0.90) |
| 15DKD33 | | 3300 | | | 39.4 (1.55) | 22.9 (0.90) |
| 15DKD47 | | 4700 | | | 39.4 (1.55) | 22.9 (0.90) |
| 15DKS10 | | 10000 | | | 58.4 (2.30) | 22.9 (0.90) |
| 20DK... | | | | | | |
| 20DKT50 | Y5U | 500 | 20 | 5 | 22.4 (0.88) | 25.4 (1.00) |
| 20DKD10 | | 1000 | | | 33.0 (1.30) | 25.4 (1.00) |
| 20DKD13 | | 1300 | | | 33.0 (1.30) | 25.4 (1.00) |
| 20DKD25 | | 2500 | | | 39.4 (1.55) | 25.4 (1.00) |
| 20DKD33 | | 3300 | | | 45.7 (1.80) | 25.4 (1.00) |
| 20DKD47 | | 4700 | | | 54.1 (2.13) | 25.4 (1.00) |
| 20DKD68 | | 6800 | | | 61.5 (2.42) | 25.4 (1.00) |
| 30DK... | | | | | | |
| 30DKT50 | Y5U | 500 | 30 | 7 | 26.7(1.05) | 34.5 (1.36) |
| 30DKD10 | | 1000 | | | 33.0 (1.30) | 30.0 (1.18) |
| 30DKD25 | | 2500 | | | 39.4 (1.55) | 30.0 (1.18) |
| 30DKD33 | | 3300 | | | 54.1 (2.13) | 30.0 (1.18) |
| 30DKD47 | | 4700 | | | 58.4 (2.30) | 30.0 (1.18) |
| 40DK... | | | | | | |
| 40DKT30 | Y5U | 300 | 40 | 9 | 22.4 (0.88) | 34.5 (1.36) |
| 40DKT50 | | 500 | | | 26.7 (1.05) | 34.5 (1.36) |
| 40DKT78 | | 780 | | | 33.0 (1.30) | 34.5 (1.36) |
| 40DKD10 | | 1000 | | | 39.4 (1.55) | 34.5 (1.36) |
| 40DKD16 | | 1600 | | | 45.7 (1.80) | 34.5 (1.36) |
| 40DKD25 | | 2500 | | | 54.1 (2.13) | 34.5 (1.36) |
| 40DKD33 | | 3300 | | | 58.4 (2.30) | 34.5 (1.36) |

CAPACITANCE TOLERANCES: KT... Series ± 20%
DK... Series: - 20 + 80%



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