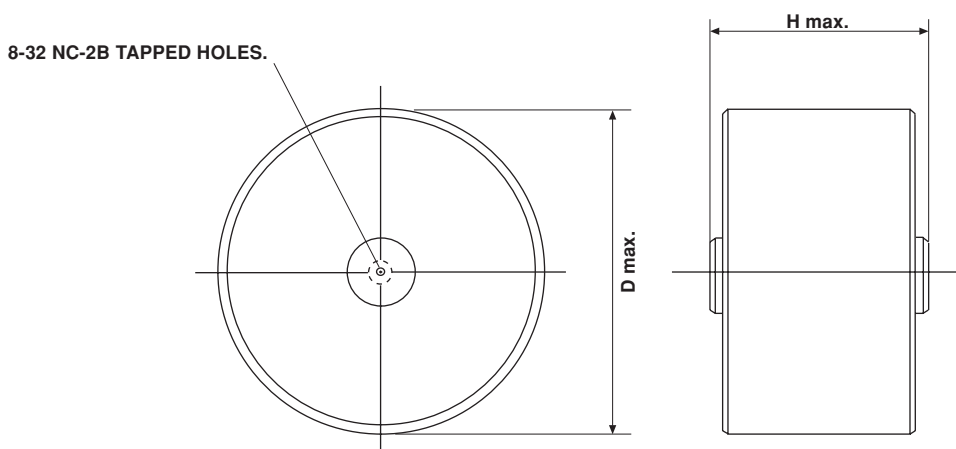


## High Voltage Disc Capacitors, Screw mounting

10KT... 10KV<sub>DC</sub>  
 15KT... 15KV<sub>DC</sub>  
 20KT... 20KV<sub>DC</sub>  
 30KT... 30KV<sub>DC</sub>  
 40KT... 40KV<sub>DC</sub>

15DK... 15KV<sub>DC</sub>  
 20DK... 20KV<sub>DC</sub>  
 30DK... 30KV<sub>DC</sub>  
 40DK... 40KV<sub>DC</sub>



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 $\tan\delta$

N4700:  $\leq 2 \cdot 10^{-3}$  (1kHz)  
 Y5U:  $\leq 20 \cdot 10^{-3}$  (1kHz)

### INSULATION RESISTANCE

MIN. 200,000 megohms or 1000  $\Omega F$ , 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<br>MODEL | 15KV <sub>DC</sub><br>RATED<br>VOLTAGE | 2000pF<br>CAPACITANCE<br>VALUE | - 20+ 80%<br>TOLERANCE | Y5U<br>CERAMIC |
|------------------|----------------------------------------|--------------------------------|------------------------|----------------|
|------------------|----------------------------------------|--------------------------------|------------------------|----------------|

**..DK..., ..KT...**

High Voltage Disc Capacitors, Screw mounting

Vishay Cera-Mite

| MODEL   | CERAMIC | CAPACITANCE VALUES | RATED VOLTAGE       | RATED VOLTAGE        | D <sub>max.</sub> | H <sub>max.</sub> |
|---------|---------|--------------------|---------------------|----------------------|-------------------|-------------------|
|         |         | [pF]               | [KV <sub>DC</sub> ] | [KV <sub>RMS</sub> ] |                   |                   |
| 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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- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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