



*Holy Stone Enterprise Co., Ltd.*

# CERAMIC CAPACITOR CATALOG

## **HVC Series**

**Commerical grade**

**High Voltage**

**1000V and Over**

[www.holystone.com.tw](http://www.holystone.com.tw)

[www.holystonecaps.com](http://www.holystonecaps.com)

## Multilayer Ceramic Chip Capacitors [ High Voltage NP0 and X7R Capacitors ] HVC Series



Holy Stone high voltage products are designed and manufactured to meet the general requirements of international standards. The product offering is well suited for commercial and industrial applications and includes NP0 (C0G) and X7R characteristics in sizes 0603 to 2225 and with working voltages up to 8KV.

### ◆ Features

- Special internal electrode design offers the highest voltage rating
- Surface mount suitable for wave and reflow soldering
- High reliability
- RoHS compliant

### ◆ Applications

- Suitable for LAN/WLAN interface, Back-Lighting Inverter, DC-DC Converters, Ballast, Modems and Power Supplies.

### ◆ Summary of Specifications

|                         |   |
|-------------------------|---|
| Operation Temperature   | -55 °C ~ +125 °C                                    |
| Rated Voltage           | 1000 Vdc to 8000 Vdc                                |
| Temperature Coefficient | NP0 : ± 30ppm/ °C , -55 °C ~ +125 °C (EIA Class I ) |
|                         | X7R : ± 15% , -55 °C ~ +125 °C (EIA Class II )      |
| Dissipation Factor      | NP0 : Q ≥ 1000 , X7R : D.F. ≤ 2.5%                  |
| Insulation Resistance   | 10GΩ or 500/CΩ whichever is smaller                 |
| Aging                   | NP0 : 0% , X7R : Typically 2.5% per decade of time  |
| Dielectric Strength     | 100V ≤ V < 500V : 200% Rated Voltage                |
|                         | 500V ≤ V < 1000V : 150% Rated Voltage               |
|                         | 1000V ≤ V : 120% Rated Voltage                      |

### ◆ How To Order

|  |  |                                     |   |   |  |   |  |
|--|--|-------------------------------------|---|---|--|---|--|
| C  | 1206   | X                                   | 102   | K   | 202  | T   | X  |
| Product Code<br>C: MLCC (Multilayer Ceramic Chip of Capacitor) | Chip Size<br>Ex.: 0603<br>0805<br>1206<br>1210<br>1808<br>1812<br>1825<br>2220<br>2225 | Dielectric<br>Ex.: N: NP0<br>X: X7R | Capacitance Unit : pF<br>Ex.: 2R0:2.0pF<br>100:10x100<br>471:47x101<br>102:10x102 | Tolerance<br>Ex.: C: +/-0.25pF<br>D: +/-0.50pF<br>J : +/- 5%<br>K : +/-10%<br>M: +/-20% | Rated Voltage<br>Ex.: 101: 100Vdc<br>251: 250Vdc<br>501: 500Vdc<br>631: 630Vdc<br>102: 1000Vdc<br>202: 2000Vdc<br>302: 3000Vdc<br>402: 4000Vdc<br>502: 5000Vdc<br>802: 8000Vdc | Packaging<br>T: T/R 7"<br>R: T/R 13"<br>B: Bulk | Special Requirement<br>Ex.: O: Arc Prevention Coating<br>X: Polymer Termination (Super Term) |





# Capacitance Range Chart

Temperature Coefficient – X7R ( ± 15% )

| Temperature Characteristic | Voltage | Size | Capacitance Range (pF) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |  |
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|                            |         |      | 101                    | 151 | 181 | 221 | 271 | 331 | 391 | 471 | 561 | 681 | 821 | 102 | 122 | 152 | 182 | 222 | 272 | 332 | 392 | 472 | 562 | 682 | 822 | 103 | 123 | 153 | 183 | 223 | 273 | 333 | 393 | 473 | 563 | 683 | 823 |   |  |  |
| X7R                        | 3KV     | 1206 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   |   |  |  |
|                            |         | 1808 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █ |  |  |
|                            |         | 1812 |                        |     |     |     | █   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | █   |     |     |     |     |     |     |     |     |     |     |   |  |  |
|                            |         | 1825 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |  |
|                            |         | 2220 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |  |
|                            |         | 2225 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |  |  |

| Temperature Characteristic | Voltage | Size | Capacitance Range (pF) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |   |  |
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|                            |         |      | 101                    | 151 | 181 | 221 | 271 | 331 | 391 | 471 | 561 | 681 | 821 | 102 | 122 | 152 | 182 | 222 | 272 | 332 | 392 | 472 | 562 | 682 | 822 | 103 | 123 | 153 | 183 | 223 | 273 | 333 | 393 | 473 | 563 | 683 | 823 |   |   |  |
| X7R                        | 4KV     | 1808 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █ | █ |  |
|                            |         | 2225 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |   |  |

| Temperature Characteristic | Voltage | Size | Capacitance Range (pF) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |
|----------------------------|---------|------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---|---|--|
|                            |         |      | 360                    | 390 | 470 | 560 | 680 | 820 | 101 | 151 | 181 | 221 | 271 | 331 | 391 | 471 | 561 | 681 | 821 | 102 | 122 | 152 | 182 | 222 | 272 | 332 | 392 | 472 | 562 | 682 | 822 | 103 | 123 | 153 | 183 | 223 | 273 |   |   |   |   |  |
| X7R                        | 5KV     | 1808 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █ | █ |   |   |  |
|                            |         | 1812 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █ | █ | █ |   |  |
|                            |         | 2208 | █                      | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █   | █ | █ | █ | █ |  |
|                            |         | 2211 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |
|                            |         | 2220 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |   |   |   |   |  |

| Temperature Characteristic | Voltage | Size | Capacitance Range (pF) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |
|----------------------------|---------|------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|
|                            |         |      | 360                    | 390 | 470 | 560 | 680 | 820 | 101 | 151 | 181 | 221 | 271 | 331 | 391 | 471 | 561 | 681 | 821 | 102 | 122 | 152 | 182 | 222 | 272 | 332 | 392 | 472 | 562 | 682 | 822 | 103 | 123 | 153 | 183 | 223 | 273 |  |  |  |  |
| X7R                        | 8KV     | 2211 |                        |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |  |  |

| Cap.           | Size | Thickness<br>(mm)    | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|----------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                      |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 2R0<br>(2pF)   | 1206 | D/1.25±0.2mm         | J            |                      | C1206N2R0J202T       |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N2R0J102T       | C1808N2R0J202T       |                        |
| 3R3<br>(3.3pF) | 1206 | D/1.25±0.2mm         | J            |                      | C1206N3R3J202T       |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N3R3J102T       | C1808N3R3J202T       |                        |
| 3R9<br>(3.9pF) | 1206 | D/1.25±0.2mm         | J            |                      | C1206N3R9J202T       |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N3R9J102T       | C1808N3R9J202T       |                        |
| 5R0<br>(5pF)   | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N5R0J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            |                      | C1206N5R0J202T       |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N5R0J102T       | C1808N5R0J202T       |                        |
| 8R2<br>(8.2pF) | 1206 | D/1.25±0.2mm         | J            |                      | C1206N8R2J202T       |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N8R2J102T       | C1808N8R2J202T       |                        |
| 100<br>(10pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N100J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N100J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N100J102T       | C1206N100J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N100J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N100J102T       | C1808N100J202T       |                        |
| 120<br>(12pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N120J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N120J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            |                      | C1206N120J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N120J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N120J102T       | C1808N120J202T       |                        |
| 150<br>(15pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N150J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N150J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N150J102T       | C1206N150J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N150J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N150J102T       | C1808N150J202T       |                        |
| 180<br>(18pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N180J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N180J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N180J102T       | C1206N180J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N180J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N180J102T       | C1808N180J202T       |                        |
| 220<br>(22pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N220J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N220J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N220J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N220J102T       | C1206N220J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N220J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N220J102T       | C1808N220J202T       |                        |
| 270<br>(27pF)  | 1812 | D/1.25±0.2mm         | J            | C1812N220J102T       |                      |                        |
|                | 0805 | B/0.85±0.15mm        | J            | C0805N270J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N270J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N270J102T       | C1206N270J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N270J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N270J102T       | C1808N270J202T       |                        |

| Cap.           | Size | Thickness<br>(mm)    | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|----------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                      |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 330<br>(33pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N330J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N330J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N330J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N330J102T       | C1206N330J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N330J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N330J102T       | C1808N330J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N330J102T       |                      |                        |
| 390<br>(39pF)  | 0805 | B/0.85±0.15mm        | J            | C0805N390J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N390J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N390J102T       | C1206N390J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N390J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N390J102T       | C1808N390J202T       |                        |
| 470<br>(47pF)  | 1812 | D/1.25±0.2mm         | J            | C1812N390J102T       |                      |                        |
|                | 0805 | B/0.85±0.15mm        | J            | C0805N470J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N470J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N470J102T       | C1206N470J202T       | C1206N470J252T         |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N470J102T       |                      |                        |
| 560<br>(56pF)  | 1808 | D/1.25±0.2mm         | J            | C1808N470J102T       | C1808N470J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N470J102T       |                      |                        |
|                | 0805 | C/1.0 +0.1mm -0.05mm | J            | C0805N560J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N560J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N560J102T       | C1206N560J202T       |                        |
| 680<br>(68pF)  | 1210 | D/1.25±0.2mm         | J            | C1210N560J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N560J102T       | C1808N560J202T       |                        |
|                | 0805 | C/1.0 +0.1mm -0.05mm | J            | C0805N680J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N680J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N680J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N680J102T       | C1206N680J202T       |                        |
| 820<br>(82pF)  | 1210 | D/1.25±0.2mm         | J            | C1210N680J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N680J102T       | C1808N680J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N680J102T       | C1812N680J202T       |                        |
|                | 0805 | C/1.0 +0.1mm -0.05mm | J            | C0805N820J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N820J102T       |                      |                        |
| 101<br>(100pF) | 1206 | D/1.25±0.2mm         | J            | C1206N820J102T       | C1206N820J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N820J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N820J102T       | C1808N820J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N820J102T       | C1812N820J202T       |                        |
|                | 0805 | C/1.0 +0.1mm -0.05mm | J            | C0805N101J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N101J102T       |                      |                        |
| 101<br>(100pF) | 1206 | D/1.25±0.2mm         | J            | C1206N101J102T       | C1206N101J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N101J102T       |                      |                        |
|                | 1808 | D/1.25±0.2mm         | J            | C1808N101J102T       | C1808N101J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N101J102T       | C1812N101J202T       |                        |
|                | 1812 | F/2.0±0.2mm          | J            |                      | C1812N101J202T       |                        |

| Cap.           | Size | Thickness<br>(mm)    | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|----------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                      |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 121<br>(120pF) | 0805 | D/1.25±0.2mm         | J            | C0805N121J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N121J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N121J102T       | C1206N121J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N121J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N121J102T       | C1808N121J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N121J102T       | C1812N121J202T       |                        |
| 151<br>(150pF) | 0805 | D/1.25±0.2mm         | J            | C0805N151J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N151J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            |                      | C1206N151J202T       |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N151J102T       | C1206N151J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N151J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N151J102T       | C1808N151J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N151J102T       | C1812N151J202T       |                        |
| 181<br>(180pF) | 1812 | F/2.0±0.2mm          | J            | C1812N151J102T       | C1812N151J202T       |                        |
|                | 0805 | D/1.25±0.2mm         | J            | C0805N181J102T       |                      |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N181J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            |                      | C1206N181J202T       |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N181J102T       | C1206N181J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N181J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N181J102T       |                      |                        |
| 221<br>(220pF) | 1808 | F/2.0±0.2mm          | J            | C1808N181J102T       | C1808N181J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N181J102T       | C1812N181J202T       |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N221J102T       |                      |                        |
|                | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N221J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            |                      | C1206N221J202T       |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N221J102T       | C1206N221J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N221J102T       |                      |                        |
| 271<br>(270pF) | 1808 | E/1.6±0.2mm          | J            | C1808N221J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N221J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N221J102T       | C1812N221J202T       |                        |
|                | 1206 | B/0.85±0.15mm        | J            | C1206N271J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N271J102T       | C1206N271J202T       |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N271J102T       | C1206N271J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N271J102T       |                      |                        |
| 271<br>(270pF) | 1808 | E/1.6±0.2mm          | J            | C1808N271J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N271J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N271J102T       |                      |                        |
|                | 1812 | E/1.6±0.2mm          | J            |                      | C1812N271J202T       |                        |



| Cap.           | Size | Thickness<br>(mm)    | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|----------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                      |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 331<br>(330pF) | 1206 | C/1.0 +0.1mm -0.05mm | J            | C1206N331J102T       |                      |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N331J102T       | C1206N331J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N331J102T       |                      |                        |
|                | 1210 | E/1.6±0.2mm          | J            | C1210N331J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N331J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N331J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N331J102T       |                      |                        |
|                | 1812 | E/1.6±0.2mm          | J            |                      | C1812N331J202T       |                        |
| 391<br>(390pF) | 1206 | D/1.25±0.2mm         | J            | C1206N391J102T       |                      |                        |
|                | 1206 | E/1.6±0.2mm          | J            |                      | C1206N391J202T       |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N391J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N391J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N391J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N391J102T       |                      |                        |
| 471<br>(470pF) | 1812 | E/1.6±0.2mm          | J            |                      | C1812N391J202T       |                        |
|                | 2220 | D/1.25±0.2mm         | J            | C2220N391J102T       |                      |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N471J102T       |                      |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N471J102T       |                      |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N471J102T       |                      |                        |
|                | 1210 | E/1.6±0.2mm          | J            | C1210N471J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N471J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N471J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N471J102T       |                      |                        |
|                | 1812 | E/1.6±0.2mm          | J            |                      | C1812N471J202T       |                        |
| 561<br>(560pF) | 1812 | F/2.0±0.2mm          | J            | C1812N471J102T       | C1812N471J202T       |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N561J102T       |                      |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N561J102T       |                      |                        |
|                | 1210 | E/1.6±0.2mm          | J            | C1210N561J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N561J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm          | J            |                      | C1808N561J202T       |                        |
| 681<br>(680pF) | 1812 | D/1.25±0.2mm         | J            | C1812N561J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm          | J            |                      | C1812N561J202T       |                        |
|                | 1206 | D/1.25±0.2mm         | J            | C1206N681J102T       |                      |                        |
|                | 1206 | E/1.6±0.2mm          | J            | C1206N681J102T       |                      |                        |
|                | 1210 | D/1.25±0.2mm         | J            | C1210N681J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm          | J            | C1808N681J102T       |                      |                        |
| 681<br>(680pF) | 1808 | F/2.0±0.2mm          | J            |                      | C1808N681J202T       |                        |
|                | 1812 | D/1.25±0.2mm         | J            | C1812N681J102T       |                      |                        |
| 681<br>(680pF) | 1812 | F/2.0±0.2mm          | J            |                      | C1812N681J202T       |                        |

| Cap.           | Size | Thickness<br>(mm) | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|-------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                   |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 821<br>(820pF) | 1206 | E/1.6±0.2mm       | J            | C1206N821J102T       |                      |                        |
|                | 1210 | D/1.25±0.2mm      | J            | C1210N821J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N821J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm       | J            |                      | C1808N821J202T       |                        |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N821J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            |                      | C1812N821J202T       |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N821J102T       |                      |                        |
| 102<br>(1nF)   | 1206 | E/1.6±0.2mm       | J            | C1206N102J102T       |                      |                        |
|                | 1210 | D/1.25±0.2mm      | J            | C1210N102J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N102J102T       |                      |                        |
|                | 1808 | F/2.0±0.2mm       | J            | C1808N102J102T       | C1808N102J202T       |                        |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N102J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            |                      | C1812N102J202T       |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N102J102T       |                      |                        |
| 122<br>(1.2nF) | 1210 | D/1.25±0.2mm      | J            | C1210N122J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N122J102T       |                      |                        |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N122J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            |                      | C1812N122J202T       |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N122J102T       |                      |                        |
| 152<br>(1.5nF) | 1210 | E/1.6±0.2mm       | J            | C1210N152J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N152J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N152J102T       | C1812N152J202T       |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N152J102T       |                      |                        |
| 182<br>(1.8nF) | 1210 | E/1.6±0.2mm       | J            | C1210N182J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N182J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N182J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N182J102T       |                      |                        |
| 222<br>(2.2nF) | 1210 | E/1.6±0.2mm       | J            | C1210N222J102T       |                      |                        |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N222J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N222J102T       |                      |                        |
|                | 2211 | H/2.8±0.2mm       | J            |                      | C2211N222J202T       |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N222J102T       |                      |                        |
|                | 2220 | E/1.6±0.2mm       | J            |                      | C2220N222J202T       |                        |
| 272<br>(2.7nF) | 1210 | F/2.0±0.2mm       | J            | C1210N272J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N272J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N272J102T       |                      |                        |
| 332<br>(3.3nF) | 1210 | G/2.4±0.2mm       | J            | C1210N332J102T       |                      |                        |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N332J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N332J102T       |                      |                        |
|                | 2220 | F/2.0±0.2mm       | J            | C2220N332J102T       |                      |                        |
| 392<br>(3.9nF) | 1812 | F/2.0±0.2mm       | J            | C1812N392J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N392J102T       |                      |                        |

| Cap.           | Size | Thickness<br>(mm) | Cap.<br>Tol. | Catalog Number       |                      |                        |
|----------------|------|-------------------|--------------|----------------------|----------------------|------------------------|
|                |      |                   |              | Rated Voltage<br>1KV | Rated Voltage<br>2KV | Rated Voltage<br>2.5KV |
| 472<br>(4.7nF) | 1812 | F/2.0±0.2mm       | J            | C1812N472J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N472J102T       |                      |                        |
|                | 2225 | G/2.4±0.2mm       | J            |                      | C2225N472J202T       |                        |
| 562<br>(5.6nF) | 1812 | F/2.0±0.2mm       | J            | C1812N562J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N562J102T       |                      |                        |
| 682<br>(6.8nF) | 1812 | G/2.4±0.2mm       | J            | C1812N682J102T       |                      |                        |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N682J102T       |                      |                        |
| 822<br>(8.2nF) | 2220 | E/1.6±0.2mm       | J            | C2220N822J102T       |                      |                        |
| 103<br>(10nF)  | 2220 | E/1.6±0.2mm       | J            | C2220N103J102T       |                      |                        |
|                | 2225 | F/2.0±0.2mm       | J            | C2225N103J102T       |                      |                        |
| 123<br>(12nF)  | 2220 | F/2.0±0.2mm       | J            | C2220N123J102T       |                      |                        |
|                | 2225 | F/2.0±0.2mm       | J            | C2225N123J102T       |                      |                        |
| 153<br>(15nF)  | 2220 | G/2.4±0.2mm       | J            | C2220N153J102T       |                      |                        |
|                | 2225 | F/2.0±0.2mm       | J            | C2225N153J102T       |                      |                        |
| 183<br>(18nF)  | 2220 | I/3.2±0.2mm       | J            | C2220N183J102T       |                      |                        |
|                | 2225 | I/3.2±0.2mm       | J            |                      | C2225N183J202T       |                        |

| Cap.           | Size | Thickness<br>(mm) | Cap.<br>Tol. | Catalog Number       |                      |                      |
|----------------|------|-------------------|--------------|----------------------|----------------------|----------------------|
|                |      |                   |              | Rated Voltage<br>3KV | Rated Voltage<br>4KV | Rated Voltage<br>5KV |
| 2R0<br>(2pF)   | 1206 | D/1.25±0.2mm      | J            | C1206N2R0J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N2R0J302T       |                      |                      |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N2R0J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N2R0J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N2R0J502T       |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N2R0J302T       |                      | C2220N2R0J502T       |
| 3R3<br>(3.3pF) | 1206 | D/1.25±0.2mm      | J            | C1206N3R3J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N3R3J302T       |                      |                      |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N3R3J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N3R3J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N3R3J502T       |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N3R3J502T       |                      | C2220N3R3J502T       |
| 3R9<br>(3.9pF) | 1206 | D/1.25±0.2mm      | J            | C1206N3R9J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N3R9J302T       |                      |                      |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N3R9J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N3R9J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N3R9J502T       |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N3R9J302T       |                      | C2220N3R9J502T       |
| 5R0<br>(5pF)   | 1206 | D/1.25±0.2mm      | J            | C1206N5R0J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N5R0J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N5R0J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N5R0J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N5R0J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N5R0J502T       |
| 8R2<br>(8.2pF) | 2220 | D/1.25±0.2mm      | J            | C2220N5R0J302T       |                      | C2220N5R0J502T       |
|                | 1206 | D/1.25±0.2mm      | J            | C1206N8R2J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N8R2J302T       |                      |                      |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N8R2J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N8R2J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N8R2J502T       |
| 100<br>(10pF)  | 2220 | D/1.25±0.2mm      | J            | C2220N8R2J302T       |                      | C2220N8R2J502T       |
|                | 1206 | D/1.25±0.2mm      | J            | C1206N100J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N100J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N100J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N100J302T       |                      |                      |
|                | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N100J502T       |
| 120<br>(12pF)  | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N100J502T       |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N100J302T       |                      | C2220N100J502T       |
|                | 1206 | D/1.25±0.2mm      | J            | C1206N120J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N120J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N120J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N120J302T       |                      |                      |
| 120<br>(12pF)  | 2208 | F/2.0±0.2mm       | J            |                      |                      | C2208N120J502T       |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N120J502T       |
|                | 2220 | D/1.25±0.2mm      | J            | C2220N100J302T       |                      | C2220N120J502T       |

| Cap.          | Size        | Thickness<br>(mm) | Cap.<br>Tol.   | Catalog Number       |                      |                      |
|---------------|-------------|-------------------|----------------|----------------------|----------------------|----------------------|
|               |             |                   |                | Rated Voltage<br>3KV | Rated Voltage<br>4KV | Rated Voltage<br>5KV |
| 150<br>(15pF) | 1206        | D/1.25±0.2mm      | J              | C1206N150J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N150J302T       |                      |                      |
|               | 1808        | F/2.0±0.2mm       | J              |                      |                      | C1808N150J502T       |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N150J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N150J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N150J502T       |
|               | 2220        | D/1.25±0.2mm      | J              | C2220N150J302T       |                      | C2220N150J502T       |
| 180<br>(18pF) | 1206        | D/1.25±0.2mm      | J              | C1206N180J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N180J302T       |                      |                      |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N180J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N180J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N180J502T       |
|               | 2220        | D/1.25±0.2mm      | J              | C2220N180J302T       |                      | C2220N180J502T       |
| 220<br>(22pF) | 1206        | D/1.25±0.2mm      | J              | C1206N220J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N220J302T       |                      |                      |
|               | 1808        | F/2.0±0.2mm       | J              |                      |                      | C1808N220J502T       |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N220J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N220J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N220J502T       |
|               | 2220        | D/1.25±0.2mm      | J              | C2220N220J302T       |                      | C2220N220J502T       |
| 270<br>(27pF) | 1206        | D/1.25±0.2mm      | J              | C1206N270J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N270J302T       |                      |                      |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N270J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N270J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N270J502T       |
|               | 2220        | D/1.25±0.2mm      | J              | C2220N270J302T       |                      | C2220N270J502T       |
| 330<br>(33pF) | 1206        | E/1.6±0.2mm       | J              | C1206N330J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N330J302T       |                      |                      |
|               | 1808        | F/2.0±0.2mm       | J              |                      |                      | C1808N330J502T       |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N330J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N330J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N330J502T       |
|               | 2220        | D/1.25±0.2mm      | J              | C2220N330J302T       |                      |                      |
| 390<br>(39pF) | 2220        | E/1.6±0.2mm       | J              |                      |                      | C2220N330J502T       |
|               | 1206        | E/1.6±0.2mm       | J              | C1206N390J302T       |                      |                      |
|               | 1808        | D/1.25±0.2mm      | J              | C1808N390J302T       |                      |                      |
|               | 1812        | D/1.25±0.2mm      | J              | C1812N390J302T       |                      |                      |
|               | 2208        | F/2.0±0.2mm       | J              |                      |                      | C2208N390J502T       |
|               | 2211        | F/2.0±0.2mm       | J              |                      |                      | C2211N390J502T       |
| 2220          | E/1.6±0.2mm | J                 | C2220N390J302T |                      | C2220N390J502T       |                      |

| Cap.           | Size | Thickness<br>(mm) | Cap.<br>Tol. | Catalog Number       |                      |                      |
|----------------|------|-------------------|--------------|----------------------|----------------------|----------------------|
|                |      |                   |              | Rated Voltage<br>3KV | Rated Voltage<br>4KV | Rated Voltage<br>5KV |
| 470<br>(47pF)  | 1206 | E/1.6±0.2mm       | J            | C1206N470J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N470J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N470J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N470J302T       |                      |                      |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N470J502T       |
| 560<br>(56pF)  | 2220 | E/1.6±0.2mm       | J            | C2220N470J302T       |                      | C2220N470J502T       |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N560J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N560J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N560J302T       |                      |                      |
|                | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N560J502T       |
| 680<br>(68pF)  | 2220 | E/1.6±0.2mm       | J            | C2220N560J302T       |                      | C2220N560J502T       |
|                | 2225 | D/1.25±0.2mm      | J            |                      |                      | C2225N560J502T       |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N680J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N680J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N680J302T       |                      |                      |
| 820<br>(82pF)  | 2211 | F/2.0±0.2mm       | J            |                      |                      | C2211N680J502T       |
|                | 2220 | E/1.6±0.2mm       | J            | C2220N680J302T       |                      | C2220N680J502T       |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N820J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N820J502T       |
|                | 1812 | D/1.25±0.2mm      | J            | C1812N820J302T       |                      |                      |
| 101<br>(100pF) | 2220 | E/1.6±0.2mm       | J            | C2220N820J302T       |                      | C2220N820J502T       |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N101J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N101J502T       |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N101J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N101J302T       |                      |                      |
| 121<br>(120pF) | 2220 | E/1.6±0.2mm       | J            | C2220N101J302T       |                      | C2220N101J502T       |
|                | 2225 | D/1.25±0.2mm      | J            |                      |                      | C2225N101J502T       |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N121J302T       |                      |                      |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N121J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N121J302T       |                      |                      |
| 151<br>(150pF) | 2220 | E/1.6±0.2mm       | J            | C2220N121J302T       |                      | C2220N121J502T       |
|                | 1808 | E/1.6±0.2mm       | J            | C1808N151J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            |                      |                      | C1808N151J502T       |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N151J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N151J302T       |                      |                      |
| 181<br>(180pF) | 2220 | E/1.6±0.2mm       | J            | C2220N151J302T       |                      |                      |
|                | 1808 | D/1.25±0.2mm      | J            | C1808N181J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            | C1808N181J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N181J302T       |                      |                      |
|                | 1808 | F/2.0±0.2mm       | J            | C1808N221J302T       |                      |                      |
| 221<br>(220pF) | 1812 | E/1.6±0.2mm       | J            | C1812N221J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N221J302T       |                      |                      |
|                | 2225 | D/1.25±0.2mm      | J            | C2225N221J302T       |                      |                      |

| Cap.           | Size | Thickness<br>(mm) | Cap.<br>Tol. | Catalog Number       |                      |                      |
|----------------|------|-------------------|--------------|----------------------|----------------------|----------------------|
|                |      |                   |              | Rated Voltage<br>3KV | Rated Voltage<br>4KV | Rated Voltage<br>5KV |
| 271<br>(270pF) | 1808 | F/2.0±0.2mm       | J            | C1808N271J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N271J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N271J302T       |                      |                      |
| 331<br>(330pF) | 1808 | F/2.0±0.2mm       | J            | C1808N331J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N331J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N331J302T       |                      |                      |
| 391<br>(390pF) | 1808 | F/2.0±0.2mm       | J            | C1808N391J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N391J302T       |                      |                      |
| 471<br>(470pF) | 1808 | F/2.0±0.2mm       | J            | C1808N471J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N471J302T       |                      |                      |
| 561<br>(560pF) | 1808 | F/2.0±0.2mm       | J            | C1808N561J302T       |                      |                      |
|                | 1812 | E/1.6±0.2mm       | J            | C1812N561J302T       |                      |                      |
| 681<br>(680pF) | 1808 | F/2.0±0.2mm       | J            | C1808N681J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N681J302T       |                      |                      |
| 821<br>(820pF) | 1808 | F/2.0±0.2mm       | J            | C1808N821J302T       |                      |                      |
|                | 1812 | F/2.0±0.2mm       | J            | C1812N821J302T       |                      |                      |
| 102<br>(1nF)   | 1808 | F/2.0±0.2mm       | J            | C1808N102J302T       |                      |                      |
|                | 1812 | G/2.4±0.2mm       | J            | C1812N102J302T       |                      |                      |
| 122<br>(1.2nF) | 1808 | F/2.0±0.2mm       | J            | C1808N122J302T       |                      |                      |
|                | 1812 | H/2.8±0.2mm       | J            | C1812N122J302T       |                      |                      |
| 222<br>(2.2nF) | 2220 | F/2.0±0.2mm       | J            | C2220N222J302T       |                      |                      |
|                | 2220 | G/2.4±0.2mm       | J            | C2220N222J302T       |                      |                      |
|                | 2225 | F/2.0±0.2mm       | J            | C2225N222J302T       |                      |                      |
|                | 2225 | G/2.4±0.2mm       | J            | C2225N222J302T       |                      |                      |
| 332<br>(3.3nF) | 2225 | I/3.2±0.2mm       | J            | C2225N332J302T       |                      |                      |

| Cap.           | Size | Thickness      | Cap. Tol. | Catalog Number    |                     |                   |                     |
|----------------|------|----------------|-----------|-------------------|---------------------|-------------------|---------------------|
|                |      |                |           | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 101<br>(100pF) | 1206 | B/0.85±0.15mm  | K         | C1206X101K102T    |                     |                   |                     |
|                | 1206 | D/1.25+-0.15mm | K         | C1206X101K102T    |                     | C1206X101K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X151K102T    |                     |                   |                     |
| 151<br>(150pF) | 1206 | D/1.25+-0.15mm | K         | C1206X151K102T    |                     |                   |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X151K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         |                   |                     | C1812X151K202T    |                     |
| 181<br>(180pF) | 1206 | B/0.85±0.15mm  | K         | C1206X181K102T    |                     |                   |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X181K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         |                   |                     | C1812X181K202T    |                     |
| 221<br>(220pF) | 0805 | B/0.85±0.15mm  | K         | C0805X221K102T    |                     |                   |                     |
|                | 0805 | C/1.0+-0.1mm   | K         | C0805X221K102T    |                     | C0805X221K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X221K102T    | C1206X221K152T      | C1206X221K202T    |                     |
|                | 1206 | D/1.25+-0.15mm | K         | C1206X221K102T    |                     | C1206X221K202T    | C1206X221K252T      |
|                | 1210 | C/1.0+-0.1mm   | K         |                   |                     | C1210X221K202T    |                     |
|                | 1808 | D/1.25+-0.15mm | K         | C1808X221K102T    |                     | C1808X221K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         | C1812X221K102T    |                     | C1812X221K202T    |                     |
| 271<br>(270pF) | 0805 | B/0.85±0.15mm  | K         | C0805X271K102T    |                     |                   |                     |
|                | 0805 | C/1.0+-0.1mm   | K         |                   |                     | C0805X271K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X271K102T    | C1206X271K152T      | C1206X271K202T    |                     |
|                | 1206 | D/1.25+-0.15mm | K         |                   |                     | C1206X271K202T    |                     |
|                | 1210 | C/1.0+-0.1mm   | K         |                   |                     | C1210X271K202T    |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X271K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         | C1812X271K102T    |                     | C1812X271K202T    |                     |
| 331<br>(330pF) | 0805 | B/0.85±0.15mm  | K         | C0805X331K102T    |                     |                   |                     |
|                | 0805 | C/1.0+-0.1mm   | K         |                   |                     | C0805X331K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X331K102T    | C1206X331K152T      | C1206X331K202T    |                     |
|                | 1206 | D/1.25+-0.15mm | K         | C1206X331K102T    |                     | C1206X331K202T    |                     |
|                | 1210 | C/1.0+-0.1mm   | K         |                   |                     | C1210X331K202T    |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X331K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         | C1812X331K102T    |                     | C1812X331K202T    |                     |
| 391<br>(390pF) | 0805 | B/0.85±0.15mm  | K         | C0805X391K102T    |                     |                   |                     |
|                | 0805 | C/1.0+-0.1mm   | K         |                   |                     | C0805X391K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X391K102T    | C1206X391K152T      | C1206X391K202T    |                     |
|                | 1210 | C/1.0+-0.1mm   | K         |                   |                     | C1210X391K202T    |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X391K202T    |                     |
| 471<br>(470pF) | 1812 | D/1.25+-0.15mm | K         | C1812X391K102T    |                     | C1812X391K202T    |                     |
|                | 0805 | B/0.85±0.15mm  | K         | C0805X471K102T    |                     |                   |                     |
|                | 0805 | C/1.0+-0.1mm   | K         | C0805X471K102T    |                     | C0805X471K202T    |                     |
|                | 1206 | B/0.85±0.15mm  | K         | C1206X471K102T    | C1206X471K152T      | C1206X471K202T    |                     |
|                | 1206 | D/1.25+-0.15mm | K         | C1206X471K102T    |                     | C1206X471K202T    |                     |
| 471<br>(470pF) | 1210 | C/1.0+-0.1mm   | K         |                   |                     | C1210X471K202T    |                     |
|                | 1210 | D/1.25+-0.15mm | K         |                   |                     |                   |                     |
|                | 1808 | D/1.25+-0.15mm | K         |                   |                     | C1808X471K202T    |                     |
|                | 1812 | D/1.25+-0.15mm | K         | C1812X471K102T    |                     | C1812X471K202T    |                     |



| Cap.           | Size            | Thickness       | Cap. Tol. | Catalog Number    |                     |                   |                     |
|----------------|-----------------|-----------------|-----------|-------------------|---------------------|-------------------|---------------------|
|                |                 |                 |           | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 561<br>(560pF) | 0805            | B/0.85±0.15mm   | K         | C0805X561K102T    |                     |                   |                     |
|                | 0805            | C/1.0+/-0.1mm   | K         |                   |                     | C0805X561K202T    |                     |
|                | 1206            | B/0.85±0.15mm   | K         | C1206X561K102T    | C1206X561K152T      | C1206X561K202T    |                     |
|                | 1206            | D/1.25+/-0.15mm | K         | C1206X561K102T    |                     | C1206X561K202T    |                     |
|                | 1210            | C/1.0+/-0.1mm   | K         |                   |                     | C1210X561K202T    |                     |
|                | 1808            | D/1.25+/-0.15mm | K         |                   |                     | C1808X561K202T    |                     |
|                | 1812            | D/1.25+/-0.15mm | K         | C1812X561K102T    |                     | C1812X561K202T    |                     |
| 681<br>(680pF) | 0805            | B/0.85±0.15mm   | K         | C0805X681K102T    |                     |                   |                     |
|                | 0805            | C/1.0+/-0.1mm   | K         | C0805X681K102T    |                     | C0805X681K202T    |                     |
|                | 1206            | B/0.85±0.15mm   | K         | C1206X681K102T    | C1206X681K152T      | C1206X681K202T    |                     |
|                | 1206            | D/1.25+/-0.15mm | K         | C1206X681K102T    |                     | C1206X681K202T    |                     |
|                | 1210            | C/1.0+/-0.1mm   | K         |                   |                     | C1210X681K202T    |                     |
|                | 1808            | D/1.25+/-0.15mm | K         |                   |                     | C1808X681K202T    |                     |
|                | 1812            | D/1.25+/-0.15mm | K         | C1812X681K102T    |                     | C1812X681K202T    |                     |
| 821<br>(820pF) | 0805            | B/0.85±0.15mm   | K         | C0805X821K102T    |                     |                   |                     |
|                | 0805            | C/1.0+/-0.1mm   | K         |                   |                     | C0805X821K202T    |                     |
|                | 1206            | B/0.85±0.15mm   | K         | C1206X821K102T    | C1206X821K152T      | C1206X821K202T    |                     |
|                | 1206            | D/1.25+/-0.15mm | K         | C1206X821K102T    | C1206X821K152T      |                   |                     |
|                | 1210            | C/1.0+/-0.1mm   | K         |                   |                     | C1210X821K202T    |                     |
|                | 1808            | D/1.25+/-0.15mm | K         |                   |                     | C1808X821K202T    |                     |
|                | 1812            | D/1.25+/-0.15mm | K         | C1812X821K102T    |                     | C1812X821K202T    |                     |
| 102<br>(1nF)   | 0805            | C/1.0+/-0.1mm   | K         | C0805X102K102T    |                     |                   |                     |
|                | 1206            | B/0.85±0.15mm   | K         | C1206X102K102T    | C1206X102K152T      | C1206X102K202T    | C1206X102K252T      |
|                | 1206            | C/1.0+/-0.1mm   | K         | C1206X102K102T    |                     | C1206X102K202T    |                     |
|                | 1206            | D/1.25+/-0.15mm | K         | C1206X102K102T    |                     | C1206X102K202T    | C1206X102K252T      |
|                | 1206            | E/1.6±0.2mm     | K         |                   |                     | C1206X102K202T    |                     |
|                | 1210            | C/1.0+/-0.1mm   | K         |                   |                     | C1210X102K202T    |                     |
|                | 1210            | D/1.25+/-0.15mm | K         | C1210X102K102T    |                     | C1210X102K202T    |                     |
|                | 1808            | D/1.25+/-0.15mm | K         | C1808X102K102T    |                     | C1808X102K202T    |                     |
|                | 1812            | D/1.25+/-0.15mm | K         | C1812X102K102T    |                     | C1812X102K202T    |                     |
|                | 2220            | D/1.25+/-0.15mm | K         | C2220X102K102T    |                     | C2220X102K202T    |                     |
|                | 2220            | E/1.6±0.2mm     | K         |                   |                     | C2220X102K202T    |                     |
| 122<br>(1.2nF) | 0805            | C/1.0+/-0.1mm   | K         | C0805X122K102T    |                     |                   |                     |
|                | 1206            | B/0.85±0.15mm   | K         | C1206X122K102T    |                     |                   |                     |
|                | 1206            | C/1.0+/-0.1mm   | K         |                   | C1206X122K152T      | C1206X122K202T    | C1206X122K252T      |
|                | 1210            | C/1.0+/-0.1mm   | K         |                   |                     | C1210X122K202T    |                     |
|                | 1808            | D/1.25+/-0.15mm | K         | C1808X122K102T    |                     | C1808X122K202T    |                     |
|                | 1812            | D/1.25+/-0.15mm | K         | C1812X122K102T    |                     | C1812X122K202T    |                     |
|                | 2220            | D/1.25+/-0.15mm | K         | C2220X122K102T    |                     | C2220X122K202T    |                     |
| 2225           | D/1.25+/-0.15mm | K               |           |                   | C2225X122K202T      |                   |                     |

| Cap.           | Size           | Thickness      | Cap. Tol.    | Catalog Number    |                     |                   |                     |
|----------------|----------------|----------------|--------------|-------------------|---------------------|-------------------|---------------------|
|                |                |                |              | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 152<br>(1.5nF) | 0805           | C/1.0+-0.1mm   | K            | C0805X152K102T    |                     |                   |                     |
|                | 1206           | B/0.85±0.15mm  | K            | C1206X152K102T    |                     |                   |                     |
|                | 1206           | C/1.0+-0.1mm   | K            |                   | C1206X152K152T      | C1206X152K202T    | C1206X152K252T      |
|                | 1206           | D/1.25+-0.15mm | K            | C1206X152K102T    |                     |                   |                     |
|                | 1206           | E/1.6+-0.2mm   | K            | C1206X152K102T    |                     | C1206X152K202T    |                     |
|                | 1210           | C/1.0+-0.1mm   | K            |                   |                     | C1210X152K202T    |                     |
|                | 1210           | E/1.6+-0.2mm   | K            |                   |                     | C1210X152K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K            | C1808X152K102T    |                     | C1808X152K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K            | C1812X152K102T    |                     | C1812X152K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K            | C2220X152K102T    |                     | C2220X152K202T    |                     |
|                | 2225           | D/1.25+-0.15mm | K            |                   |                     | C2225X152K202T    |                     |
|                | 182<br>(1.8nF) | 0805           | C/1.0+-0.1mm | K                 | C0805X182K102T      |                   |                     |
| 1206           |                | B/0.85±0.15mm  | K            | C1206X182K102T    |                     |                   |                     |
| 1206           |                | C/1.0+-0.1mm   | K            |                   | C1206X182K152T      | C1206X182K202T    | C1206X182K252T      |
| 1210           |                | C/1.0+-0.1mm   | K            |                   |                     | C1210X182K202T    |                     |
| 1808           |                | D/1.25+-0.15mm | K            | C1808X182K102T    |                     | C1808X182K202T    |                     |
| 1812           |                | D/1.25+-0.15mm | K            | C1812X182K102T    |                     | C1812X182K202T    |                     |
| 1812           |                | E/1.6+-0.2mm   | K            |                   |                     | C1812X182K202T    |                     |
| 2220           |                | D/1.25+-0.15mm | K            | C2220X182K102T    |                     | C2220X182K202T    |                     |
| 2225           | D/1.25+-0.15mm | K              |              |                   | C2225X182K202T      |                   |                     |
| 222<br>(2.2nF) | 0805           | C/1.0+-0.1mm   | K            | C0805X222K102T    |                     |                   |                     |
|                | 1206           | B/0.85±0.15mm  | K            | C1206X222K102T    |                     |                   |                     |
|                | 1206           | C/1.0+-0.1mm   | K            |                   | C1206X222K152T      | C1206X222K202T    | C1206X222K252T      |
|                | 1206           | D/1.25+-0.15mm | K            | C1206X222K102T    |                     | C1206X222K202T    |                     |
|                | 1206           | E/1.6+-0.2mm   | K            | C1206X222K102T    | C1206X222K152T      | C1206X222K202T    |                     |
|                | 1210           | C/1.0+-0.1mm   | K            |                   |                     | C1210X222K202T    |                     |
|                | 1210           | D/1.25+-0.15mm | K            | C1210X222K102T    |                     | C1210X222K202T    |                     |
|                | 1210           | F/2.0+-0.2mm   | K            | C1210X222K102T    |                     | C1210X222K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K            | C1808X222K102T    |                     |                   |                     |
|                | 1808           | E/1.6+-0.2mm   | K            |                   |                     | C1808X222K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K            | C1812X222K102T    |                     | C1812X222K202T    |                     |
|                | 1812           | E/1.6+-0.2mm   | K            |                   |                     | C1812X222K202T    |                     |
|                | 1825           | D/1.25+-0.15mm | K            |                   |                     | C1825X222K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K            | C2220X222K102T    |                     | C2220X222K202T    |                     |
| 2225           | D/1.25+-0.15mm | K              |              |                   | C2225X222K202T      |                   |                     |
| 272<br>(2.7nF) | 1206           | B/0.85±0.15mm  | K            | C1206X272K102T    |                     |                   |                     |
|                | 1206           | D/1.25+-0.15mm | K            | C1206X272K102T    | C1206X272K152T      | C1206X272K202T    |                     |
|                | 1210           | D/1.25+-0.15mm | K            |                   |                     | C1206X272K202T    | C1206X272K252T      |
|                | 1210           | G/2.4±0.2mm    | K            |                   |                     | C1206X272K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K            | C1808X272K102T    |                     |                   |                     |
|                | 1808           | F/2.0±0.2mm    | K            |                   |                     | C1808X272K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K            | C1812X272K102T    |                     | C1812X272K202T    |                     |
|                | 1825           | D/1.25+-0.15mm | K            |                   |                     | C1825X272K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K            | C2220X272K102T    |                     | C2220X272K202T    |                     |
| 2225           | D/1.25+-0.15mm | K              |              |                   | C2225X272K202T      |                   |                     |

| Cap.           | Size           | Thickness      | Cap. Tol.     | Catalog Number    |                     |                   |                     |
|----------------|----------------|----------------|---------------|-------------------|---------------------|-------------------|---------------------|
|                |                |                |               | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 332<br>(3.3nF) | 1206           | B/0.85±0.15mm  | K             | C1206X332K102T    |                     |                   |                     |
|                | 1206           | D/1.25+-0.15mm | K             | C1206X332K102T    | C1206X332K152T      | C1206X332K202T    | C1206X332K252T      |
|                | 1206           | E/1.6+-0.2mm   | K             |                   |                     | C1206X332K202T    |                     |
|                | 1210           | D/1.25+-0.15mm | K             | C1210X332K102T    |                     | C1210X332K202T    |                     |
|                | 1210           | E/1.6+-0.2mm   | K             |                   |                     | C1210X332K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K             | C1808X332K102T    |                     |                   |                     |
|                | 1808           | F/2.0+-0.2mm   | K             |                   |                     | C1808X332K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K             | C1812X332K102T    |                     | C1812X332K202T    |                     |
|                | 1812           | F/2.0+-0.2mm   | K             | C1812X332K102T    |                     | C1812X332K202T    |                     |
|                | 1825           | D/1.25+-0.15mm | K             |                   |                     | C1825X332K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K             | C2220X332K102T    |                     | C2220X332K202T    |                     |
|                | 2220           | E/1.6+-0.2mm   | K             |                   |                     | C2220X332K202T    |                     |
|                | 2225           | D/1.25+-0.15mm | K             |                   |                     | C2225X332K202T    |                     |
|                | 392<br>(3.9nF) | 1206           | B/0.85±0.15mm | K                 | C1206X392K102T      |                   |                     |
| 1206           |                | D/1.25+-0.15mm | K             |                   | C1206X392K152T      | C1206X392K202T    |                     |
| 1206           |                | E/1.6+-0.2mm   | K             |                   |                     | C1206X392K202T    | C1206X392K252T      |
| 1210           |                | E/1.6+-0.2mm   | K             |                   |                     | C1210X392K202T    |                     |
| 1210           |                | G/2.4±0.2mm    | K             |                   |                     | C1210X392K202T    |                     |
| 1808           |                | D/1.25+-0.15mm | K             | C1808X392K102T    |                     | C1808X392K202T    |                     |
| 1812           |                | D/1.25+-0.15mm | K             | C1812X392K102T    |                     | C1812X392K202T    |                     |
| 1825           |                | D/1.25+-0.15mm | K             |                   |                     | C1825X392K202T    |                     |
| 2220           |                | D/1.25+-0.15mm | K             | C2220X392K102T    |                     | C2220X392K202T    |                     |
| 2225           |                | D/1.25+-0.15mm | K             |                   |                     | C2225X392K202T    |                     |
| 472<br>(4.7nF) |                | 1206           | B/0.85±0.15mm | K                 | C1206X472K102T      |                   |                     |
|                | 1206           | D/1.25+-0.15mm | K             | C1206X472K102T    | C1206X472K152T      | C1206X472K202T    |                     |
|                | 1206           | E/1.6+-0.2mm   | K             |                   |                     | C1206X472K202T    | C1206X472K252T      |
|                | 1210           | C/1.0+-0.1mm   | K             | C1210X472K102T    |                     |                   |                     |
|                | 1210           | F/2.0+-0.2mm   | K             | C1210X472K102T    |                     |                   |                     |
|                | 1210           | E/1.6+-0.2mm   | K             |                   |                     | C1210X472K202T    |                     |
|                | 1210           | G/2.4+-0.2mm   | K             |                   |                     | C1210X472K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K             | C1808X472K102T    |                     |                   |                     |
|                | 1808           | E/1.6+-0.2mm   | K             |                   |                     | C1808X472K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K             | C1812X472K102T    |                     | C1812X472K202T    |                     |
|                | 1812           | F/2.0+-0.2mm   | K             |                   |                     | C1812X472K202T    |                     |
|                | 1825           | D/1.25+-0.15mm | K             |                   |                     | C1825X472K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K             | C2220X472K102T    |                     | C2220X472K202T    |                     |
|                | 2220           | F/2.0+-0.2mm   | K             |                   |                     | C2220X472K202T    |                     |
| 2220           | G/2.4+-0.2mm   | K              |               |                   | C2220X472K202T      |                   |                     |
| 2225           | D/1.25+-0.15mm | K              |               |                   | C2225X472K202T      |                   |                     |

| Cap.           | Size           | Thickness      | Cap. Tol.     | Catalog Number    |                     |                   |                     |
|----------------|----------------|----------------|---------------|-------------------|---------------------|-------------------|---------------------|
|                |                |                |               | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 562<br>(5.6nF) | 1206           | B/0.85±0.15mm  | K             | C1206X562K102T    |                     |                   |                     |
|                | 1206           | D/1.25+-0.15mm | K             | C1206X562K102T    | C1206X562K152T      | C1206X562K202T    |                     |
|                | 1206           | E/1.6+-0.2mm   | K             |                   |                     |                   | C1206X562K252T      |
|                | 1210           | C/1.0+-0.1mm   | K             | C1210X562K102T    |                     |                   |                     |
|                | 1210           | D/1.25+-0.15mm | K             | C1210X562K102T    |                     |                   |                     |
|                | 1210           | E/1.6+-0.2mm   | K             |                   |                     | C1210X562K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K             | C1808X562K102T    |                     |                   |                     |
|                | 1808           | E/1.6+-0.2mm   | K             |                   |                     | C1808X562K202T    |                     |
|                | 1812           | D/1.25+-0.15mm | K             | C1812X562K102T    |                     |                   |                     |
|                | 1812           | F/2.0+-0.2mm   | K             |                   |                     | C1812X562K202T    |                     |
|                | 1825           | D/1.25+-0.15mm | K             |                   |                     | C1825X562K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K             | C2220X562K102T    |                     |                   |                     |
|                | 2225           | D/1.25+-0.15mm | K             |                   |                     | C2225X562K202T    |                     |
|                | 682<br>(6.8nF) | 1206           | B/0.85±0.15mm | K                 | C1206X682K102T      |                   |                     |
| 1206           |                | D/1.25+-0.15mm | K             | C1206X682K102T    | C1206X682K152T      | C1206X682K202T    |                     |
| 1206           |                | E/1.6+-0.2mm   | K             |                   | C1206X682K152T      | C1206X682K202T    |                     |
| 1210           |                | C/1.0+-0.1mm   | K             | C1210X682K102T    |                     |                   |                     |
| 1210           |                | D/1.25+-0.15mm | K             | C1210X682K102T    |                     |                   |                     |
| 1210           |                | F/2.0+-0.2mm   | K             |                   |                     | C1210X682K202T    |                     |
| 1210           |                | G/2.4+-0.2mm   | K             |                   |                     | C1210X682K202T    |                     |
| 1808           |                | D/1.25+-0.15mm | K             | C1808X682K102T    |                     |                   |                     |
| 1808           |                | E/1.6+-0.2mm   | K             |                   |                     |                   |                     |
| 1808           |                | F/2.0+-0.2mm   | K             |                   |                     | C1808X682K202T    |                     |
| 1812           |                | D/1.25+-0.15mm | K             | C1812X682K102T    |                     |                   |                     |
| 1812           |                | F/2.0+-0.2mm   | K             | C1812X682K102T    |                     |                   |                     |
| 1825           |                | D/1.25+-0.15mm | K             |                   |                     | C1825X682K202T    |                     |
| 2220           |                | D/1.25+-0.15mm | K             | C2220X682K102T    |                     |                   |                     |
| 2220           | F/2.0+-0.2mm   | K              |               |                   | C2220X682K202T      |                   |                     |
| 2225           | D/1.25+-0.15mm | K              |               |                   | C2225X682K202T      |                   |                     |
| 822<br>(8.2nF) | 1206           | C/1.0+-0.1mm   | K             | C1206X822K102T    |                     |                   |                     |
|                | 1206           | E/1.6+-0.2mm   | K             |                   | C1206X822K152T      |                   |                     |
|                | 1210           | D/1.25+-0.15mm | K             | C1210X822K102T    |                     |                   |                     |
|                | 1210           | F/2.0+-0.2mm   | K             |                   |                     | C1210X822K202T    |                     |
|                | 1808           | D/1.25+-0.15mm | K             | C1808X822K102T    |                     |                   |                     |
|                | 1812           | D/1.25+-0.15mm | K             | C1812X822K102T    |                     |                   | C1812X822K202T      |
|                | 1812           | G/2.4+-0.2mm   | K             |                   |                     | C1812X822K202T    |                     |
|                | 1825           | E/1.6+-0.2mm   | K             |                   |                     | C1825X822K202T    |                     |
|                | 2220           | D/1.25+-0.15mm | K             | C2220X822K102T    |                     |                   |                     |
|                | 2225           | D/1.25+-0.15mm | K             |                   |                     | C2225X822K202T    |                     |

| Cap.          | Size           | Thickness      | Cap. Tol.      | Catalog Number    |                     |                   |                     |
|---------------|----------------|----------------|----------------|-------------------|---------------------|-------------------|---------------------|
|               |                |                |                | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 103<br>(10nF) | 1206           | C/1.0+-0.1mm   | K              | C1206X103K102T    |                     |                   |                     |
|               | 1206           | D/1.25+-0.15mm | K              | C1206X103K102T    |                     |                   |                     |
|               | 1206           | E/1.6+-0.2mm   | K              |                   | C1206X103K152T      |                   |                     |
|               | 1210           | D/1.25+-0.15mm | K              | C1210X103K102T    |                     |                   |                     |
|               | 1210           | G/2.4+-0.2mm   | K              |                   |                     | C1210X103K202T    |                     |
|               | 1808           | D/1.25+-0.15mm | K              | C1808X103K102T    |                     |                   |                     |
|               | 1808           | F/2.0+-0.2mm   | K              | C1808X103K102T    |                     |                   |                     |
|               | 1812           | D/1.25+-0.15mm | K              | C1812X103K102T    |                     |                   |                     |
|               | 1812           | E/1.6+-0.2mm   | K              | C1812X103K102T    |                     | C1812X103K202T    |                     |
|               | 1812           | F/2.0+-0.2mm   | K              |                   |                     | C1812X103K202T    |                     |
|               | 1812           | H/2.8+-0.2mm   | K              |                   |                     | C1812X103K202T    |                     |
|               | 1825           | E/1.6+-0.2mm   | K              |                   |                     | C1825X103K202T    |                     |
|               | 2220           | D/1.25+-0.15mm | K              | C2220X103K102T    |                     | C2220X103K202T    |                     |
|               | 2220           | F/2.0+-0.2mm   | K              |                   |                     | C2220X103K202T    |                     |
|               | 2225           | D/1.25+-0.15mm | K              |                   |                     | C2225X103K202T    |                     |
|               | 2225           | E/1.6+-0.2mm   | K              |                   |                     | C2225X103K202T    |                     |
| 123<br>(12nF) | 1206           | D/1.25+-0.15mm | K              | C1206X123K102T    |                     |                   |                     |
|               | 1210           | D/1.25+-0.15mm | K              | C1210X123K102T    |                     |                   |                     |
|               | 1808           | D/1.25+-0.15mm | K              | C1808X123K102T    |                     |                   |                     |
|               | 1812           | D/1.25+-0.15mm | K              | C1812X123K102T    |                     |                   |                     |
|               | 1812           | E/1.6+-0.2mm   | K              |                   |                     | C1812X123K202T    |                     |
|               | 1825           | E/1.6+-0.2mm   | K              |                   |                     | C1825X123K202T    |                     |
|               | 2220           | D/1.25+-0.15mm | K              | C2220X123K102T    |                     | C2220X123K202T    |                     |
| 2225          | D/1.25+-0.15mm | K              |                |                   | C2225X123K202T      |                   |                     |
| 153<br>(15nF) | 1206           | E/1.6+-0.2mm   | K              | C1206X153K102T    |                     |                   |                     |
|               | 1210           | D/1.25+-0.15mm | K              | C1210X153K102T    |                     |                   |                     |
|               | 1808           | D/1.25+-0.15mm | K              | C1808X153K102T    |                     |                   |                     |
|               | 1808           | F/2.0+-0.2mm   | K              | C1808X153K102T    |                     |                   |                     |
|               | 1812           | D/1.25+-0.15mm | K              | C1812X153K102T    |                     |                   |                     |
|               | 1812           | E/1.6+-0.2mm   | K              | C1812X153K102T    |                     | C1812X153K202T    |                     |
|               | 1812           | H/2.8+-0.2mm   | K              |                   |                     | C1812X153K202T    |                     |
|               | 1825           | E/1.6+-0.2mm   | K              |                   |                     | C1825X153K202T    |                     |
|               | 2220           | D/1.25+-0.15mm | K              | C2220X153K102T    |                     | C2220X153K202T    |                     |
| 2225          | D/1.25+-0.15mm | K              | C2225X153K102T |                   | C2225X153K202T      |                   |                     |
| 2225          | F/2.0+-0.2mm   | K              | C2225X153K102T |                   |                     |                   |                     |
| 183<br>(18nF) | 1206           | E/1.6+-0.2mm   | K              | C1206X183K102T    |                     |                   |                     |
|               | 1210           | D/1.25+-0.15mm | K              | C1210X183K102T    |                     |                   |                     |
|               | 1808           | D/1.25+-0.15mm | K              | C1808X183K102T    |                     |                   |                     |
|               | 1812           | D/1.25+-0.15mm | K              | C1812X183K102T    |                     |                   |                     |
|               | 1812           | F/2.0+-0.2mm   | K              |                   |                     | C1812X183K202T    |                     |
|               | 1825           | F/2.0+-0.2mm   | K              |                   |                     | C1825X183K202T    |                     |
|               | 2220           | D/1.25+-0.15mm | K              | C2220X183K102T    |                     |                   |                     |
|               | 2220           | E/1.6+-0.2mm   | K              |                   |                     | C2220X183K202T    |                     |
| 2225          | D/1.25+-0.15mm | K              |                |                   | C2225X183K202T      |                   |                     |

| Cap.          | Size | Thickness      | Cap. Tol. | Catalog Number    |                     |                   |                     |
|---------------|------|----------------|-----------|-------------------|---------------------|-------------------|---------------------|
|               |      |                |           | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 223<br>(22nF) | 1206 | E/1.6+-0.2mm   | K         | C1206X223K102T    |                     |                   |                     |
|               | 1210 | D/1.25+-0.15mm | K         | C1210X223K102T    |                     |                   |                     |
|               | 1808 | D/1.25+-0.15mm | K         | C1808X223K102T    |                     |                   |                     |
|               | 1812 | D/1.25+-0.15mm | K         | C1812X223K102T    |                     |                   |                     |
|               | 1812 | F/2.0+-0.2mm   | K         | C1812X223K102T    |                     | C1812X223K202T    |                     |
|               | 1825 | F/2.0+-0.2mm   | K         |                   |                     | C1825X223K202T    |                     |
|               | 2220 | D/1.25+-0.15mm | K         | C2220X223K102T    |                     |                   |                     |
|               | 2220 | E/1.6+-0.2mm   | K         | C2220X223K102T    | C2220X223K152T      | C2220X223K202T    |                     |
|               | 2225 | D/1.25+-0.15mm | K         |                   |                     | C2225X223K202T    |                     |
| 273<br>(27nF) | 1210 | E/1.6+-0.2mm   | K         | C1210X273K102T    |                     |                   |                     |
|               | 1808 | D/1.25+-0.15mm | K         | C1808X273K102T    |                     |                   |                     |
|               | 1812 | D/1.25+-0.15mm | K         | C1812X273K102T    |                     |                   |                     |
|               | 1812 | F/2.0+-0.2mm   | K         | C1812X273K102T    |                     |                   |                     |
|               | 1812 | G/2.4+-0.2mm   | K         | C1812X273K102T    |                     | C1812X273K202T    |                     |
|               | 1825 | G/2.4+-0.2mm   | K         |                   |                     | C1825X273K202T    |                     |
|               | 2220 | D/1.25+-0.15mm | K         | C2220X273K102T    |                     |                   |                     |
|               | 2220 | E/1.6+-0.2mm   | K         |                   |                     | C2220X273K202T    |                     |
|               | 2225 | E/1.6+-0.2mm   | K         |                   |                     | C2225X273K202T    |                     |
| 333<br>(33nF) | 1210 | F/2.0+-0.2mm   | K         | C1210X333K102T    |                     |                   |                     |
|               | 1210 | G/2.4+-0.2mm   | K         | C1210X333K102T    |                     |                   |                     |
|               | 1808 | E/1.6+-0.2mm   | K         | C1808X333K102T    |                     |                   |                     |
|               | 1812 | D/1.25+-0.15mm | K         | C1812X333K102T    |                     |                   |                     |
|               | 1812 | F/2.0+-0.2mm   | K         | C1812X333K102T    |                     |                   |                     |
|               | 1812 | H/2.8+-0.2mm   | K         |                   |                     | C1812X333K202T    |                     |
|               | 1825 | G/2.4+-0.2mm   | K         |                   |                     | C1825X333K202T    |                     |
|               | 2220 | D/1.25+-0.15mm | K         | C2220X333K102T    |                     |                   |                     |
|               | 2220 | F/2.0+-0.2mm   | K         |                   |                     | C2220X333K202T    |                     |
|               | 2220 | H/2.8+-0.2mm   | K         |                   |                     | C2220X333K202T    |                     |
| 393<br>(39nF) | 1210 | F/2.0+-0.2mm   | K         | C1210X393K102T    |                     |                   |                     |
|               | 1808 | F/2.0+-0.2mm   | K         | C1808X393K102T    |                     |                   |                     |
|               | 1812 | D/1.25+-0.15mm | K         | C1812X393K102T    |                     |                   |                     |
|               | 1812 | F/2.0+-0.2mm   | K         | C1812X393K102T    |                     |                   |                     |
|               | 1825 | H/2.8+-0.2mm   | K         |                   |                     | C1825X393K202T    |                     |
|               | 2220 | D/1.25+-0.15mm | K         | C2220X393K102T    |                     |                   |                     |
|               | 2220 | F/2.0+-0.2mm   | K         | C2220X393K102T    |                     | C2220X393K202T    |                     |
|               | 2225 | F/2.0+-0.2mm   | K         |                   |                     | C2225X393K202T    |                     |
|               | 2225 | H/2.8+-0.2mm   | K         |                   |                     | C2225X393K202T    |                     |

| Cap.           | Size          | Thickness      | Cap. Tol.    | Catalog Number    |                     |                   |                     |
|----------------|---------------|----------------|--------------|-------------------|---------------------|-------------------|---------------------|
|                |               |                |              | Rated Voltage 1KV | Rated Voltage 1.5KV | Rated Voltage 2KV | Rated Voltage 2.5KV |
| 473<br>(47nF)  | 1210          | G/2.4+-0.2mm   | K            | C1210X473K102T    |                     |                   |                     |
|                | 1808          | F/2.0+-0.2mm   | K            | C1808X473K102T    |                     |                   |                     |
|                | 1812          | D/1.25+-0.15mm | K            | C1812X473K102T    |                     |                   |                     |
|                | 1812          | F/2.0+-0.2mm   | K            | C1812X473K102T    |                     |                   |                     |
|                | 2220          | D/1.25+-0.15mm | K            | C2220X473K102T    |                     |                   |                     |
|                | 2220          | E/1.6+-0.2mm   | K            |                   | C2220X473K152T      |                   |                     |
|                | 2220          | G/2.4+-0.2mm   | K            |                   |                     | C2220X473K202T    |                     |
|                | 2220          | F/2.0+-0.2mm   | K            | C2220X473K102T    | C2220X473K152T      |                   |                     |
|                | 2225          | D/1.25+-0.15mm | K            | C2225X473K102T    |                     |                   |                     |
|                | 2225          | E/1.6+-0.2mm   | K            | C2225X473K102T    | C2225X473K152T      |                   |                     |
|                | 2225          | F/2.0+-0.2mm   | K            |                   |                     | C2225X473K202T    |                     |
|                | 563<br>(56nF) | 1812           | F/2.0+-0.2mm | K                 | C1812X563K102T      |                   |                     |
| 2220           |               | D/1.25+-0.15mm | K            | C2220X563K102T    |                     |                   |                     |
| 2220           |               | G/2.4+-0.2mm   | K            | C2220X563K102T    |                     | C2220X563K202T    |                     |
| 2225           |               | D/1.25+-0.15mm | K            | C2225X563K102T    |                     |                   |                     |
| 2225           |               | E/1.6+-0.2mm   | K            | C2225X563K102T    |                     |                   |                     |
| 2225           |               | F/2.0+-0.2mm   | K            | C2225X563K102T    |                     | C2225X563K202T    |                     |
| 683<br>(68nF)  | 1812          | F/2.0+-0.2mm   | K            | C1812X683K102T    |                     |                   |                     |
|                | 2220          | D/1.25+-0.15mm | K            | C2220X683K102T    |                     |                   |                     |
|                | 2225          | D/1.25+-0.15mm | K            | C2225X683K102T    |                     |                   |                     |
|                | 2225          | F/2.0+-0.2mm   | K            |                   | C2225X683K152T      |                   |                     |
|                | 2225          | G/2.4+-0.2mm   | K            |                   |                     | C2225X683K202T    |                     |
| 823<br>(82nF)  | 1812          | G/2.4+-0.2mm   | K            | C1812X823K102T    |                     |                   |                     |
|                | 2220          | D/1.25+-0.15mm | K            | C2220X823K102T    |                     |                   |                     |
|                | 2225          | D/1.25+-0.15mm | K            | C2225X823K102T    |                     |                   |                     |
|                | 2225          | H/2.8+-0.2mm   | K            |                   |                     | C2225X823K202T    |                     |
| 104<br>(100nF) | 1812          | G/2.4+-0.2mm   | K            | C1812X104K102T    |                     |                   |                     |
|                | 2220          | E/1.6+-0.2mm   | K            | C2220X104K102T    |                     |                   |                     |
|                | 2225          | D/1.25+-0.15mm | K            | C2225X104K102T    |                     |                   |                     |
|                | 2225          | E/1.6+-0.2mm   | K            | C2225X104K102T    |                     |                   |                     |
|                | 2225          | I/3.2±0.2mm    | K            |                   |                     | C2225X104K202T    |                     |
| 124<br>(120nF) | 1812          | G/2.4+-0.2mm   | K            | C1812X124K102T    |                     |                   |                     |
|                | 2220          | E/1.6+-0.2mm   | K            | C2220X124K102T    |                     |                   |                     |
| 154<br>(150nF) | 1812          | H/2.8+-0.2mm   | K            | C1812X154K102T    |                     |                   |                     |
|                | 2220          | F/2.0+-0.2mm   | K            | C2220X154K102T    |                     |                   |                     |
| 184<br>(180nF) | 2220          | F/2.0+-0.2mm   | K            | C2220X184K102T    |                     |                   |                     |
| 224<br>(220nF) | 2220          | F/2.0+-0.2mm   | K            | C2220X224K102T    |                     |                   |                     |
|                | 2220          | H/2.8+-0.2mm   | K            | C2220X224K102T    |                     |                   |                     |

| Cap.           | Size | Thickness            | Cap. Tol. | Catalog Number    |                   |                   |                   |
|----------------|------|----------------------|-----------|-------------------|-------------------|-------------------|-------------------|
|                |      |                      |           | Rated Voltage 3KV | Rated Voltage 4KV | Rated Voltage 5KV | Rated Voltage 8KV |
| 101<br>(100pF) | 2211 | E/1.6±0.2mm          | K         |                   |                   | C2211X101K502T    |                   |
|                | 1206 | B/0.85±0.15mm        | K         | C1206X151K302T    |                   |                   |                   |
| 151<br>(150pF) | 1808 | D/1.25±0.2mm         | K         | C1808X151K302T    | C1808X151K402T    |                   |                   |
|                | 2220 | E/1.6±0.2mm          | K         |                   |                   | C2220X151K502T    |                   |
| 181<br>(180pF) | 1206 | B/0.85±0.15mm        | K         | C1206X181K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X181K302T    | C1808X181K402T    |                   |                   |
| 221<br>(220pF) | 1206 | B/0.85±0.15mm        | K         | C1206X221K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X221K302T    | C1808X221K402T    | C1808X221K502T    |                   |
|                | 2211 | E/1.6±0.2mm          | K         |                   |                   | C2211X221K502T    | C2211X221K802T    |
| 271<br>(270pF) | 1206 | B/0.85±0.15mm        | K         | C1206X271K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X271K302T    | C1808X271K402T    | C1808X271K502T    |                   |
|                | 1812 | E/1.6±0.2mm          | K         | C1812X271K302T    |                   |                   |                   |
|                | 2211 | E/1.6±0.2mm          | K         |                   |                   |                   | C2211X271K802T    |
| 331<br>(330pF) | 1206 | B/0.85±0.15mm        | K         | C1206X331K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X331K302T    | C1808X331K402T    |                   |                   |
|                | 1808 | E/1.6±0.2mm          | K         |                   |                   | C1808X331K502T    |                   |
|                | 2220 | F/2.0±0.2mm          | K         |                   |                   | C2220X331K502T    |                   |
|                | 2211 | F/2.0±0.2mm          | K         |                   |                   |                   | C2211X331K802T    |
| 391<br>(390pF) | 1206 | C/1.0 +0.1mm -0.05mm | K         | C1206X391K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X391K302T    |                   |                   |                   |
|                | 1808 | E/1.6±0.2mm          | K         |                   | C1808X391K402T    | C1808X391K502T    |                   |
|                | 2211 | G/2.4+ -0.2mm        | K         |                   |                   |                   | C2211X391K802T    |
| 471<br>(470pF) | 1206 | C/1.0 +0.1mm -0.05mm | K         | C1206X471K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X471K302T    |                   |                   |                   |
|                | 1808 | E/1.6±0.2mm          | K         | C1808X471K302T    | C1808X471K402T    | C1808X471K502T    |                   |
|                | 1812 | F/2.0±0.2mm          | K         |                   |                   | C1812X471K502T    |                   |
|                | 2211 | F/2.0±0.2mm          | K         |                   |                   | C2211X471K502T    |                   |
|                | 2211 | G/2.4+ -0.2mm        | K         |                   |                   | C2211X471K502T    | C2211X471K802T    |
|                | 2220 | F/2.0±0.2mm          | K         |                   |                   | C2220X471K502T    |                   |
| 561<br>(560pF) | 1206 | C/1.0 +0.1mm -0.05mm | K         | C1206X561K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X561K302T    |                   |                   |                   |
|                | 1808 | E/1.6±0.2mm          | K         |                   | C1808X561K402T    |                   |                   |
|                | 1808 | F/2.0±0.2mm          | K         |                   |                   | C1808X561K502T    |                   |
|                | 2211 | H/2.8+ -0.2mm        | K         |                   |                   |                   | C2211X561K802T    |
| 681<br>(680pF) | 1206 | D/1.25±0.2mm         | K         | C1206X681K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm         | K         | C1808X681K302T    |                   |                   |                   |
|                | 1808 | E/1.6±0.2mm          | K         | C1808X681K302T    |                   |                   |                   |
|                | 1808 | F/2.0±0.2mm          | K         |                   | C1808X681K402T    | C1808X681K502T    |                   |
|                | 1812 | D/1.25±0.2mm         | K         | C1812X681K302T    |                   |                   |                   |
| 681<br>(680pF) | 1812 | E/1.6±0.2mm          | K         | C1812X681K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm         | K         | C1825X681K302T    |                   |                   |                   |
|                | 2220 | D/1.25±0.2mm         | K         | C2220X681K302T    |                   |                   |                   |
|                | 2211 | F/2.0±0.2mm          | K         |                   |                   | C2211X681K502T    |                   |
|                | 2211 | H/2.8+ -0.2mm        | K         |                   |                   |                   | C2211X681K802T    |



| Cap.           | Size | Thickness     | Cap. Tol. | Catalog Number    |                   |                   |                   |
|----------------|------|---------------|-----------|-------------------|-------------------|-------------------|-------------------|
|                |      |               |           | Rated Voltage 3KV | Rated Voltage 4KV | Rated Voltage 5KV | Rated Voltage 8KV |
| 821<br>(820pF) | 1206 | D/1.25±0.2mm  | K         | C1206X821K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm  | K         | C1808X821K302T    |                   |                   |                   |
|                | 1808 | F/2.0±0.2mm   | K         |                   | C1808X821K402T    |                   |                   |
|                | 1812 | D/1.25±0.2mm  | K         | C1812X821K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm   | K         | C1812X821K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm  | K         | C1825X821K302T    |                   |                   |                   |
|                | 2211 | H/2.8+-.0.2mm | K         |                   |                   |                   | C2211X821K802T    |
|                | 2220 | D/1.25±0.2mm  | K         | C2220X821K302T    |                   |                   |                   |
| 102<br>(1nF)   | 1206 | D/1.25±0.2mm  | K         | C1206X102K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm  | K         | C1808X102K302T    |                   |                   |                   |
|                | 1808 | E/1.6±0.2mm   | K         |                   |                   | C1808X102K502T    |                   |
|                | 1808 | F/2.0±0.2mm   | K         | C1808X102K302T    | C1808X102K402T    | C1808X102K502T    |                   |
|                | 1812 | D/1.25±0.2mm  | K         | C1812X102K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm   | K         | C1812X102K302T    |                   | C1812X102K502T    |                   |
|                | 1825 | D/1.25±0.2mm  | K         | C1825X102K302T    |                   |                   |                   |
|                | 2211 | E/1.6±0.2mm   | K         |                   |                   | C2211X102K502T    |                   |
|                | 2211 | F/2.0±0.2mm   | K         |                   |                   | C2211X102K502T    |                   |
|                | 2220 | D/1.25±0.2mm  | K         | C2220X102K302T    |                   | C2220X102K502T    |                   |
| 122<br>(1.2nF) | 2220 | F/2.0±0.2mm   | K         |                   |                   | C2220X102K502T    |                   |
|                | 1206 | D/1.25±0.2mm  | K         | C1206X122K302T    |                   |                   |                   |
|                | 1808 | D/1.25±0.2mm  | K         | C1808X122K302T    |                   |                   |                   |
|                | 1812 | D/1.25±0.2mm  | K         | C1812X122K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm   | K         | C1812X122K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm  | K         | C1825X122K302T    |                   |                   |                   |
| 152<br>(1.5nF) | 2220 | D/1.25±0.2mm  | K         | C2220X122K302T    |                   | C2220X122K502T    |                   |
|                | 1808 | D/1.25±0.2mm  | K         | C1808X152K302T    |                   |                   |                   |
|                | 1808 | F/2.0±0.2mm   | K         | C1808X152K302T    |                   |                   |                   |
|                | 1812 | D/1.25±0.2mm  | K         | C1812X152K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm   | K         | C1812X152K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm  | K         | C1825X152K302T    |                   |                   |                   |
|                | 2220 | D/1.25±0.2mm  | K         | C2220X152K302T    |                   |                   |                   |
| 182<br>(1.8nF) | 2220 | F/2.0±0.2mm   | K         |                   |                   | C2220X152K502T    |                   |
|                | 1808 | D/1.25±0.2mm  | K         | C1808X182K302T    |                   |                   |                   |
|                | 1808 | F/2.0±0.2mm   | K         | C1808X182K302T    |                   |                   |                   |
|                | 1812 | D/1.25±0.2mm  | K         | C1812X182K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm  | K         | C1825X182K302T    |                   |                   |                   |
| 182<br>(1.8nF) | 2220 | D/1.25±0.2mm  | K         | C2220X182K302T    |                   |                   |                   |
|                | 2211 | G/2.4±0.2mm   | K         |                   |                   | C2211X182K502T    |                   |

| Cap.           | Size         | Thickness    | Cap. Tol.      | Catalog Number    |                   |                   |                   |
|----------------|--------------|--------------|----------------|-------------------|-------------------|-------------------|-------------------|
|                |              |              |                | Rated Voltage 3KV | Rated Voltage 4KV | Rated Voltage 5KV | Rated Voltage 8KV |
| 222<br>(2.2nF) | 1808         | D/1.25±0.2mm | K              | C1808X222K302T    |                   |                   |                   |
|                | 1808         | F/2.0±0.2mm  | K              | C1808X222K302T    |                   |                   |                   |
|                | 1812         | D/1.25±0.2mm | K              | C1812X222K302T    |                   |                   |                   |
|                | 1812         | F/2.0±0.2mm  | K              | C1812X222K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X222K302T    |                   |                   |                   |
|                | 2211         | H/2.8±0.2mm  | K              |                   |                   | C2211X222K502T    |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X222K302T    |                   |                   |                   |
|                | 2220         | E/1.6±0.2mm  | K              |                   |                   | C2220X222K502T    |                   |
|                | 2220         | F/2.0±0.2mm  | K              | C2220X222K302T    |                   | C2220X222K502T    |                   |
|                | 2225         | D/1.25±0.2mm | K              | C2225X222K302T    |                   |                   |                   |
| 2225           | G/2.4±0.2mm  | K            |                | C2225X222K402T    |                   |                   |                   |
| 272<br>(2.7nF) | 1808         | E/1.6±0.2mm  | K              | C1808X272K302T    |                   |                   |                   |
|                | 1812         | D/1.25±0.2mm | K              | C1812X272K302T    |                   |                   |                   |
|                | 1812         | G/2.4±0.2mm  | K              | C1812X272K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X272K302T    |                   |                   |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X272K302T    |                   |                   |                   |
|                | 2225         | D/1.25±0.2mm | K              | C2225X272K302T    |                   |                   |                   |
| 2211           | H/2.8±0.2mm  | K            |                |                   | C2211X272K502T    |                   |                   |
| 332<br>(3.3nF) | 1808         | E/1.6±0.2mm  | K              | C1808X332K302T    |                   |                   |                   |
|                | 1808         | F/2.0±0.2mm  | K              | C1808X332K302T    |                   |                   |                   |
|                | 1812         | D/1.25±0.2mm | K              | C1812X332K302T    |                   |                   |                   |
|                | 1812         | E/1.6±0.2mm  | K              | C1812X332K302T    |                   |                   |                   |
|                | 1812         | H/2.8±0.2mm  | K              | C1812X332K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X332K302T    |                   |                   |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X332K302T    |                   |                   |                   |
|                | 2220         | G/2.4±0.2mm  | K              |                   |                   | C2220X332K502T    |                   |
| 2225           | D/1.25±0.2mm | K            | C2225X332K302T |                   |                   |                   |                   |
| 392<br>(3.9nF) | 1808         | E/1.6±0.2mm  | K              | C1808X392K302T    |                   |                   |                   |
|                | 1812         | D/1.25±0.2mm | K              | C1812X392K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X392K302T    |                   |                   |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X392K302T    |                   |                   |                   |
|                | 2225         | D/1.25±0.2mm | K              | C2225X392K302T    |                   |                   |                   |
| 472<br>(4.7nF) | 1808         | F/2.0±0.2mm  | K              | C1808X472K302T    |                   |                   |                   |
|                | 1812         | E/1.6±0.2mm  | K              | C1812X472K302T    |                   |                   |                   |
|                | 1812         | H/2.8±0.2mm  | K              | C1812X472K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X472K302T    |                   |                   |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X472K302T    |                   |                   |                   |
|                | 2220         | F/2.0±0.2mm  | K              |                   |                   | C2220X472K502T    |                   |
|                | 2220         | G/2.4±0.2mm  | K              | C2220X472K302T    |                   |                   |                   |
|                | 2220         | H/2.8±0.2mm  | K              |                   |                   | C2220X472K502T    |                   |
|                | 2225         | D/1.25±0.2mm | K              | C2225X472K302T    |                   |                   |                   |
| 2225           | E/1.6±0.2mm  | K            |                | C2225X472K402T    |                   |                   |                   |
| 562<br>(5.6nF) | 1808         | F/2.0±0.2mm  | K              | C1808X562K302T    |                   |                   |                   |
|                | 1812         | E/1.6±0.2mm  | K              | C1812X562K302T    |                   |                   |                   |
|                | 1825         | D/1.25±0.2mm | K              | C1825X562K302T    |                   |                   |                   |
|                | 2220         | D/1.25±0.2mm | K              | C2220X562K302T    |                   |                   |                   |
|                | 2225         | D/1.25±0.2mm | K              | C2225X562K302T    |                   |                   |                   |

| Cap.           | Size | Thickness    | Cap. Tol. | Catalog Number    |                   |                   |                   |
|----------------|------|--------------|-----------|-------------------|-------------------|-------------------|-------------------|
|                |      |              |           | Rated Voltage 3KV | Rated Voltage 4KV | Rated Voltage 5KV | Rated Voltage 8KV |
| 682<br>(6.8nF) | 1812 | E/1.6±0.2mm  | K         | C1812X682K302T    |                   |                   |                   |
|                | 1825 | D/1.25±0.2mm | K         | C1825X682K302T    |                   |                   |                   |
|                | 2220 | D/1.25±0.2mm | K         | C2220X682K302T    |                   |                   |                   |
| 822<br>(8.2nF) | 2225 | D/1.25±0.2mm | K         | C2225X682K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm  | K         | C1812X822K302T    |                   |                   |                   |
|                | 1825 | E/1.6±0.2mm  | K         | C1825X822K302T    |                   |                   |                   |
| 103<br>(10nF)  | 2220 | E/1.6±0.2mm  | K         | C2220X822K302T    |                   |                   |                   |
|                | 2225 | D/1.25±0.2mm | K         | C2225X822K302T    |                   |                   |                   |
|                | 1812 | F/2.0±0.2mm  | K         | C1812X103K302T    |                   |                   |                   |
|                | 1825 | E/1.6±0.2mm  | K         | C1825X103K302T    |                   |                   |                   |
|                | 2220 | E/1.6±0.2mm  | K         | C2220X103K302T    |                   |                   |                   |
| 123<br>(12nF)  | 2220 | F/2.0±0.2mm  | K         | C2220X103K302T    |                   |                   |                   |
|                | 2220 | H/2.8±0.2mm  | K         | C2220X103K302T    |                   |                   |                   |
|                | 2225 | D/1.25±0.2mm | K         | C2225X103K302T    |                   |                   |                   |
|                | 1825 | E/1.6±0.2mm  | K         | C1825X123K302T    |                   |                   |                   |
| 153<br>(15nF)  | 2220 | E/1.6±0.2mm  | K         | C2220X123K302T    |                   |                   |                   |
|                | 2225 | D/1.25±0.2mm | K         | C2225X123K302T    |                   |                   |                   |
|                | 1825 | F/2.0±0.2mm  | K         | C1825X153K302T    |                   |                   |                   |
| 183<br>(18nF)  | 2220 | F/2.0±0.2mm  | K         | C2220X153K302T    |                   |                   |                   |
|                | 2225 | E/1.6±0.2mm  | K         | C2225X153K302T    |                   |                   |                   |
|                | 1825 | G/2.4±0.2mm  | K         | C1825X183K302T    |                   |                   |                   |
| 223<br>(22nF)  | 2220 | G/2.4±0.2mm  | K         | C2220X183K302T    |                   |                   |                   |
|                | 2225 | E/1.6±0.2mm  | K         | C2225X183K302T    |                   |                   |                   |
| 273<br>(27nF)  | 2225 | E/1.6±0.2mm  | K         | C2225X223K302T    |                   |                   |                   |
| 333<br>(33nF)  | 2225 | F/2.0±0.2mm  | K         | C2225X273K302T    |                   |                   |                   |
|                | 2225 | G/2.4±0.2mm  | K         | C2225X333K302T    |                   |                   |                   |

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