

# Type TDC Solid Tantalum Capacitors

## Dipped, Radial Leaded, Solid Tantalum Capacitors



As a low cost alternative to molded solid tantalum capacitors, the Type TDC, constructed in a tough, radial dipped flame retardant plastic case, assures the user that it is a top performer with such attributes as low DCL, low ESR, low impedance and a great value with low in-place cost. The Type TDC is high shock and vibration resistant and is available in bulk or on radial

### Highlights

- ◆ Tough plastic case
- ◆ Low DCL
- ◆ Low ESR and impedance
- ◆ Low cost
- ◆ Temperature stable
- ◆ UL94VO flammability rating
- ◆ Resistant to shock and vibration

### Specifications

**Capacitance Range:** 0.10  $\mu$ F to 330  $\mu$ F

**Voltage Range:** 6 WVdc to 50 WVdc at 85 °C

**Tolerance:**  $\pm$ 10%,  $\pm$ 20%

**Operating Temperature Range:** -55 °C to +125 °C (with proper derating)

**DC Leakage:**

- +25 °C - See ratings limit
- +85 °C - 10 x ratings limit
- +125 °C - 12.5 x ratings limit

**Capacitance Change Maximum:**

- 10% @ -55 °C
- +10% @ +85 °C
- +12% @ +125 °C

**Reverse Voltage (Non-continuous):**

- 15% of rated voltage @ 25 °C
- 5% of rated voltage @ 85 °C
- 1% of rated voltage @ 125 °C

#### Reel Packaging:

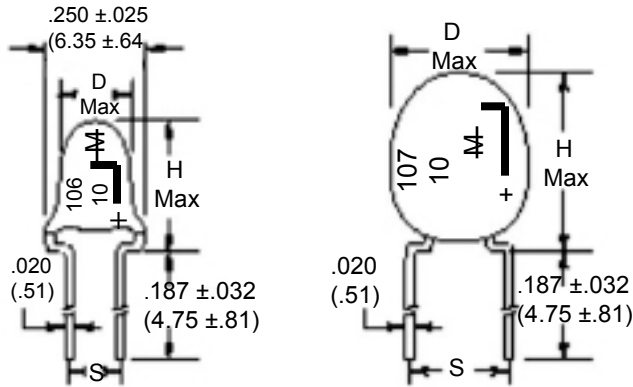
| Case Code | Quantity per Reel |
|-----------|-------------------|
| E         | 1,000             |
| F         | 1,000             |
| G         | 1,000             |



Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

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## Capacitor Outline Drawing



| Dimensions - Inches (Millimeters) |             |              |                        |      |
|-----------------------------------|-------------|--------------|------------------------|------|
| Case Code                         | D (Max.)    | H (Max.)     | Leads                  |      |
|                                   |             |              | S                      | Code |
| E                                 | .175 (4.45) | .350 (8.89)  | .125 (3.17) (Standard) | N    |
|                                   |             |              | .250 (6.35) (Special)  | W    |
| F                                 | .250 (6.35) | .500 (12.7)  | .125 (3.17) (Standard) | N    |
|                                   |             |              | .250 (6.35) (Special)  | W    |
| G                                 | .350 (8.89) | .650 (16.51) | .250 (6.35) (Special)  | W    |

**E and F Case Codes:**  
Lead Spacing = .125 ± .025  
(3.17 ± .64)

**G Case Code:**  
Lead Spacing = .250 ± .025  
(6.34 ± .64)

## Ratings

| Cap (µF)  | Catalog Part Number | Case Code | Lead Spacing (S) | Max. DCL @ +25 °C (µA) | Max. DF @ +25 °C 120 Hz (%) | Cap (µF)  | Catalog Part Number | Case Code | Lead Spacing (S) | Max. DCL @ +25 °C (µA) | Max. DF @ +25 °C 120 Hz (%) |
|---|---------------------|-----------|------------------|------------------------|-----------------------------|---|---------------------|-----------|------------------|------------------------|-----------------------------|
| <b>6 WVdc; 8 Vdc Surge @ 85 °C<br/>4 WVdc; 5 Vdc Surge @ 125 °C</b> |                     |           |                  |                        |                             | <b>10 WVdc; 13 Vdc Surge @ 85 °C<br/>7 WVdc; 9 Vdc Surge @ 125 °C</b> |                     |           |                  |                        |                             |
| 3.3   | TDC335*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 2.2   | TDC225*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 3.9   | TDC395*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 2.7   | TDC275*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 4.7   | TDC475*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 3.3   | TDC335*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 5.6   | TDC565*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 3.9   | TDC395*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 6.8   | TDC685*006NSE-F     | E         | 0.125            | 0.5                    | 5                           | 4.7   | TDC475*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 8.2   | TDC825*006NSE-F     | E         | 0.125            | 0.5                    | 6                           | 5.6   | TDC565*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 10  | TDC106*006NSE-F     | E         | 0.125            | 0.5                    | 6                           | 6.8   | TDC685*010NSE-F     | E         | 0.125            | 0.5                    | 5                           |
| 12  | TDC126*006NSE-F     | E         | 0.125            | 0.6                    | 6                           | 8.2   | TDC825*010NSE-F     | E         | 0.125            | 0.7                    | 6                           |
| 15  | TDC156*006NSF-F     | F         | 0.125            | 0.7                    | 6                           | 10  | TDC106*010NSF-F     | F         | 0.125            | 0.8                    | 6                           |
| 18  | TDC186*006NSF-F     | F         | 0.125            | 0.9                    | 6                           | 12  | TDC126*010NSF-F     | F         | 0.125            | 1.0                    | 6                           |
| 22  | TDC226*006NSF-F     | F         | 0.125            | 1.1                    | 6                           | 15  | TDC156*010NSF-F     | F         | 0.125            | 1.2                    | 6                           |
| 27  | TDC276*006NSF-F     | F         | 0.125            | 1.3                    | 6                           | 18  | TDC186*010NSF-F     | F         | 0.125            | 1.4                    | 6                           |
| 33  | TDC336*006NSF-F     | F         | 0.125            | 1.6                    | 6                           | 22  | TDC226*010NSF-F     | F         | 0.125            | 1.8                    | 6                           |
| 39  | TDC396*006NSF-F     | F         | 0.125            | 1.9                    | 6                           | 27  | TDC276*010NSF-F     | F         | 0.125            | 2.2                    | 6                           |
| 47  | TDC476*006NSF-F     | F         | 0.125            | 2.3                    | 6                           | 33  | TDC336*010NSF-F     | F         | 0.125            | 2.6                    | 6                           |
| 56  | TDC566*006NSF-F     | F         | 0.125            | 2.7                    | 6                           | 39  | TDC396*010NSF-F     | F         | 0.125            | 3.1                    | 6                           |
| 68  | TDC686*006NSF-F     | F         | 0.125            | 3.3                    | 6                           | 47  | TDC476*010NSF-F     | F         | 0.125            | 3.8                    | 6                           |
| 82  | TDC826*006NSF-F     | F         | 0.125            | 3.9                    | 8                           | 56  | TDC566*010NSF-F     | F         | 0.125            | 4.5                    | 6                           |
| 100   | TDC107*006NSF-F     | F         | 0.125            | 4.8                    | 8                           | 68  | TDC686*010NSF-F     | F         | 0.125            | 5.4                    | 6                           |
| 120   | TDC127*006WSG-F     | G         | 0.25             | 5.8                    | 8                           | 82  | TDC826*010WSG-F     | G         | 0.25             | 6.6                    | 8                           |
| 150   | TDC157*006WSG-F     | G         | 0.25             | 7.2                    | 8                           | 100   | TDC107*010WSG-F     | G         | 0.25             | 8.0                    | 8                           |
| 180   | TDC187*006WSG-F     | G         | 0.25             | 8.6                    | 8                           | 120   | TDC127*010WSG-F     | G         | 0.25             | 9.6                    | 8                           |
| 220   | TDC227*006WSG-F     | G         | 0.25             | 10                     | 8                           | 150   | TDC157*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |
| 270   | TDC277*006WSG-F     | G         | 0.25             | 10                     | 8                           | 180   | TDC187*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |
| 330   | TDC337*006WSG-F     | G         | 0.25             | 10                     | 8                           | 220   | TDC227*010WSG-F     | G         | 0.25             | 10.0                   | 8                           |

\* Indicates capacitance tolerance: K = ±10%, M = ±20%, (J = ±5%, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

# Type TDC Solid Tantalum Capacitors

## Ratings

| Cap<br>( $\mu$ F)                     | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) | Cap<br>( $\mu$ F)                     | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) |
|---------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|---------------------------------------|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|
| <b>16 WVdc; 20 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      | <b>20 WVdc; 26 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      |
| <b>10 WVdc; 12 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | <b>13 WVdc; 16 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 1.5                                   | TDC155*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 8.2                                   | TDC825*020NSF-F        | F            | 0.125                  | 1.3                                   | 6                                    |
| 1.8                                   | TDC185*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 10                                    | TDC106*020NSF-F        | F            | 0.125                  | 1.6                                   | 6                                    |
| 2.2                                   | TDC225*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 12                                    | TDC126*020NSF-F        | F            | 0.125                  | 1.9                                   | 6                                    |
| 2.7                                   | TDC275*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 15                                    | TDC156*020NSF-F        | F            | 0.125                  | 2.4                                   | 6                                    |
| 3.3                                   | TDC335*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 18                                    | TDC186*020NSF-F        | F            | 0.125                  | 2.9                                   | 6                                    |
| 3.9                                   | TDC395*016NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 22                                    | TDC226*020NSF-F        | F            | 0.125                  | 3.5                                   | 6                                    |
| 4.7                                   | TDC475*016NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 33                                    | TDC336*020WSG-F        | G            | 0.25                   | 5.3                                   | 6                                    |
| 5.6                                   | TDC565*016NSE-F        | E            | 0.125                  | 0.7                                   | 5                                    | 39                                    | TDC396*020WSG-F        | G            | 0.25                   | 6.2                                   | 6                                    |
| 6.8                                   | TDC685*016NSE-F        | E            | 0.125                  | 0.9                                   | 5                                    | 47                                    | TDC476*020WSG-F        | G            | 0.25                   | 7.5                                   | 6                                    |
| 8.2                                   | TDC825*016NSE-F        | E            | 0.125                  | 1.0                                   | 6                                    | 56                                    | TDC566*020WSG-F        | G            | 0.25                   | 9.0                                   | 6                                    |
| 10                                    | TDC106*016NSF-F        | F            | 0.125                  | 1.3                                   | 6                                    | 68                                    | TDC686*020WSG-F        | G            | 0.25                   | 10.0                                  | 6                                    |
| 12                                    | TDC126*016NSF-F        | F            | 0.125                  | 1.5                                   | 6                                    | 82                                    | TDC826*020WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    |
| 15                                    | TDC156*016NSF-F        | F            | 0.125                  | 1.8                                   | 6                                    | 100                                   | TDC107*020WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    |
| 18                                    | TDC186*016NSF-F        | F            | 0.125                  | 2.2                                   | 6                                    | <b>25 WVdc; 32 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      |
| 22                                    | TDC226*016NSF-F        | F            | 0.125                  | 2.6                                   | 6                                    | <b>17 WVdc; 22 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 27                                    | TDC276*016NSF-F        | F            | 0.125                  | 3.2                                   | 6                                    | 1.0                                   | TDC105*025NSE-F        | E            | 0.125                  | 0.50                                  | 3                                    |
| 33                                    | TDC336*016NSF-F        | F            | 0.125                  | 4.0                                   | 6                                    | 1.2                                   | TDC125*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 39                                    | TDC396*016WSG-F        | G            | 0.25                   | 4.7                                   | 6                                    | 1.5                                   | TDC155*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 47                                    | TDC476*016WSG-F        | G            | 0.25                   | 5.6                                   | 6                                    | 1.8                                   | TDC185*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 56                                    | TDC566*016WSG-F        | G            | 0.25                   | 6.8                                   | 6                                    | 2.2                                   | TDC225*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 68                                    | TDC686*016WSG-F        | G            | 0.25                   | 8.2                                   | 6                                    | 2.7                                   | TDC275*025NSE-F        | E            | 0.125                  | 0.50                                  | 5                                    |
| 82                                    | TDC826*016WSG-F        | G            | 0.25                   | 9.8                                   | 8                                    | 3.3                                   | TDC335*025NSE-F        | E            | 0.125                  | 0.70                                  | 5                                    |
| 100                                   | TDC107*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 3.9                                   | TDC395*025NSE-F        | E            | 0.125                  | 0.80                                  | 5                                    |
| 120                                   | TDC127*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 4.7                                   | TDC475*025NSF-F        | F            | 0.125                  | 0.90                                  | 5                                    |
| 150                                   | TDC157*016WSG-F        | G            | 0.25                   | 10.0                                  | 8                                    | 5.6                                   | TDC565*025NSF-F        | F            | 0.125                  | 1.10                                  | 5                                    |
| <b>20 WVdc; 26 Vdc Surge @ 85 °C</b>  |                        |              |                        |                                       |                                      | 6.8                                   | TDC685*025NSF-F        | F            | 0.125                  | 1.40                                  | 5                                    |
| <b>13 WVdc; 16 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | 8.2                                   | TDC825*025NSF-F        | F            | 0.125                  | 1.60                                  | 6                                    |
| 1.0                                   | TDC105*020NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | 10                                    | TDC106*025NSF--F       | F            | 0.125                  | 2.0                                   | 6                                    |
| 1.2                                   | TDC125*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 12                                    | TDC126*025NSF-F        | F            | 0.125                  | 2.4                                   | 6                                    |
| 1.5                                   | TDC155*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 15                                    | TDC156*025NSF-F        | F            | 0.125                  | 3.0                                   | 6                                    |
| 1.8                                   | TDC185*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 18                                    | TDC186*025NSF-F        | F            | 0.125                  | 3.6                                   | 6                                    |
| 2.2                                   | TDC225*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 22                                    | TDC226*025NSF-F        | F            | 0.125                  | 4.4                                   | 6                                    |
| 2.7                                   | TDC275*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 27                                    | TDC276*025WSG-F        | G            | 0.250                  | 5.4                                   | 6                                    |
| 3.3                                   | TDC335*020NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 33                                    | TDC336*025WSG-F        | G            | 0.250                  | 6.6                                   | 6                                    |
| 3.9                                   | TDC395*020NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 39                                    | TDC396*025WSG-F        | G            | 0.250                  | 7.8                                   | 6                                    |
| 4.7                                   | TDC475*020NSE-F        | E            | 0.125                  | 0.8                                   | 5                                    | 47                                    | TDC476*025WSG-F        | G            | 0.250                  | 9.4                                   | 6                                    |
| 5.6                                   | TDC565*020NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    | 56                                    | TDC566*025WSG-F        | G            | 0.250                  | 10.0                                  | 6                                    |
| 6.8                                   | TDC685*020NSF-F        | F            | 0.125                  | 1.1                                   | 5                                    | 68                                    | TDC686*025WSG-F        | G            | 0.250                  | 10.0                                  | 6                                    |

\* Indicates capacitance tolerance: K =  $\pm 10\%$ , M =  $\pm 20\%$ , (J =  $\pm 5\%$ , Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

# Type TDC Solid Tantalum Capacitors

## Ratings

| Cap<br>( $\mu$ F)   | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) | Cap<br>( $\mu$ F)   | Catalog<br>Part Number | Case<br>Code | Lead<br>Spacing<br>(S) | Max.<br>DCL<br>@ +25 °C<br>( $\mu$ A) | Max. DF<br>@ +25 °C<br>120 Hz<br>(%) |
|---|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|---|------------------------|--------------|------------------------|---------------------------------------|--------------------------------------|
| <b>35 WVdc; 46 Vdc Surge @ 85 °C<br/>23 WVdc; 28 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      | <b>50 WVdc; 65 Vdc Surge @ 85 °C<br/>33 WVdc; 40 Vdc Surge @ 125 °C</b> |                        |              |                        |                                       |                                      |
| 0.10  | TDC104*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .10   | TDC104*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.12  | TDC124*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .12   | TDC124*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.15  | TDC154*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .15   | TDC154*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.18  | TDC184*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .18   | TDC184*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.22  | TDC224*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .22   | TDC224*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.27  | TDC274*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .27   | TDC274*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.33  | TDC334*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .33   | TDC334*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.39  | TDC394*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .39   | TDC394*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.47  | TDC474*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .47   | TDC474*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.56  | TDC564*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .56   | TDC564*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.68  | TDC684*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .68   | TDC684*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 0.82  | TDC824*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | .82   | TDC824*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 1.0   | TDC105*035NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    | 1.0   | TDC105*050NSE-F        | E            | 0.125                  | 0.5                                   | 3                                    |
| 1.2   | TDC125*035NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 1.2   | TDC125*050NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    |
| 1.5   | TDC155*035NSE-F        | E            | 0.125                  | 0.5                                   | 5                                    | 1.5   | TDC155*050NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    |
| 1.8   | TDC185*035NSE--F       | E            | 0.125                  | 0.5                                   | 5                                    | 1.8   | TDC185*050NSF-F        | F            | 0.125                  | 0.7                                   | 5                                    |
| 2.2   | TDC225*035NSE-F        | E            | 0.125                  | 0.6                                   | 5                                    | 2.2   | TDC225*050NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    |
| 2.7   | TDC275*035NSF-F        | F            | 0.125                  | 0.7                                   | 5                                    | 2.7   | TDC275*050NSF-F        | F            | 0.125                  | 1.1                                   | 5                                    |
| 3.3   | TDC335*035NSF-F        | F            | 0.125                  | 0.9                                   | 5                                    | 3.3   | TDC335*050NSF-F        | F            | 0.125                  | 1.3                                   | 5                                    |
| 3.9   | TDC339*035NSF-F        | F            | 0.125                  | 1.0                                   | 5                                    | 3.9   | TDC395*050NSF-F        | F            | 0.125                  | 1.6                                   | 5                                    |
| 4.7   | TDC475*035NSF-F        | F            | 0.125                  | 1.3                                   | 5                                    | 4.7   | TDC475*050NSF-F        | F            | 0.125                  | 1.9                                   | 5                                    |
| 5.6   | TDC565*035NSF-F        | F            | 0.125                  | 1.6                                   | 5                                    | 5.6   | TDC565*050NSF-F        | F            | 0.125                  | 2.2                                   | 5                                    |
| 6.8   | TDC685*035NSF-F        | F            | 0.125                  | 1.9                                   | 5                                    | 6.8   | TDC685*050WSG-F        | G            | 0.25                   | 2.7                                   | 5                                    |
| 8.2   | TDC825*035NSF-F        | F            | 0.125                  | 2.3                                   | 6                                    | 8.2   | TDC825*050WSG-F        | G            | 0.25                   | 3.3                                   | 6                                    |
| 10  | TDC106*035NSF-F        | F            | 0.125                  | 2.8                                   | 6                                    | 10  | TDC106*050WSG-F        | G            | 0.25                   | 4.0                                   | 6                                    |
| 12  | TDC126*035WSG-F        | G            | 0.25                   | 3.4                                   | 6                                    | 12  | TDC126*050WSG-F        | G            | 0.25                   | 4.8                                   | 6                                    |
| 15  | TDC156*035WSG-F        | G            | 0.25                   | 4.2                                   | 6                                    | 15  | TDC156*050WSG-F        | G            | 0.25                   | 6.0                                   | 6                                    |
| 18  | TDC186*035WSG-F        | G            | 0.25                   | 5.0                                   | 6                                    | 18  | TDC186*050WSG-F        | G            | 0.25                   | 7.2                                   | 6                                    |
| 22  | TDC226*035WSG-F        | G            | 0.25                   | 6.2                                   | 6                                    | 22  | TDC226*050WSG-F        | G            | 0.25                   | 8.8                                   | 6                                    |
| 27  | TDC276*035WSG-F        | G            | 0.25                   | 7.6                                   | 6                                    |   |                        |              |                        |                                       |                                      |
| 33  | TDC336*035WSG-F        | G            | 0.25                   | 9.2                                   | 6                                    |   |                        |              |                        |                                       |                                      |
| 39  | TDC396*035WSG-F        | G            | 0.25                   | 10                                    | 6                                    |   |                        |              |                        |                                       |                                      |
| 47  | TDC476*035WSG-F        | G            | 0.25                   | 10                                    | 6                                    |   |                        |              |                        |                                       |                                      |

\* Indicates capacitance tolerance: K =  $\pm$ 10%, M =  $\pm$ 20%, (J =  $\pm$ 5%, Special Order)

CDE reserves the right to substitute a tighter tolerance, higher voltage capacitor within the same case size.

## Part Numbering System

| TDC    | 107                | K             | 016          | W            | S               | G         | -F                    |
|--------|--------------------|---------------|--------------|--------------|-----------------|-----------|-----------------------|
|        |                    |               |              |              |                 |           |                       |
| Series | Capacitance        | Tolerance     | Voltage      | Lead Spacing | Lead Length     | Case Code | RoHS Compliant        |
| TDC    | 394 = 0.39 $\mu$ F | J = $\pm$ 5%  | 006 = 6 Vdc  | N = .125     | S = .187        | E         | -F = Compliant        |
|        | 105 = 1.0 $\mu$ F  | K = $\pm$ 10% | 010 = 10 Vdc | W = .250     | T = Tape & Reel | F         | Blank = Not Compliant |
|        | 225 = 2.2 $\mu$ F  | M = $\pm$ 20% | 016 = 16 Vdc |              |                 | G         |                       |
|        | 186 = 18 $\mu$ F   |               | 020 = 20 Vdc |              |                 |           |                       |
|        | 107 = 100 $\mu$ F  |               | 025 = 25 Vdc |              |                 |           |                       |
|        |                    |               | 035 = 35 Vdc |              |                 |           |                       |
|        |                    |               | 050 = 50 Vdc |              |                 |           |                       |

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