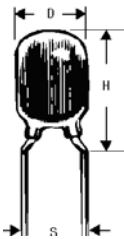


Visit Mallory's Website at [www.nacc-mallory.com](http://www.nacc-mallory.com)

Epoxy Dipped Solid Tantalum Capacitors

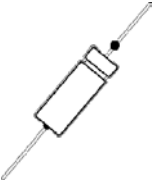


Type TDC capacitors offer the long life electrical stability characteristics of solid tantalum at low cost. The tough epoxy coating provides uniform lead spacing and protection against mechanical damage and moisture. These capacitors are ideal for industrial and consumer applications where premium performance, minimum size, and low cost are essential. **Operating Temperature:** -55°C to +125°C (with voltage derating above 85°C). The TDC dip-coated solid tantalum capacitor has leads 0.187" maximum in length. A tolerance of ±20% is indicated by an "M" in the Mfr.'s type number; a tolerance of ±10% is indicated by a "K" in the Mfr.'s type number. **Leads Diameter:** 0.020" (0.51 mm). **Leads Space S (Using Last 3 Letters in Mfr.'s Type):** NSE, NSF — 0.125" (3.17 mm); WSG — 0.250" (6.35 mm).

| Stock No. | Mfr.'s Type   | WVDC/<br>Surge VDC             | Cap. µF | Case (In.) |       | EACH  |       |
|-----------|---------------|--------------------------------|---------|------------|-------|-------|-------|
|           |               |                                |         | D          | H     | 1-49  | 50-99 |
| 852-5614  | TDC226K010NSF | <sup>10</sup> / <sub>f13</sub> | 22.00   | 0.250      | 0.500 | .86   | .78   |
| 852-5656  | TDC336K010NSF | <sup>10</sup> / <sub>f13</sub> | 33.00   | 0.250      | 0.500 | 1.09  | .95   |
| 852-5613  | TDC476K010NSF | <sup>10</sup> / <sub>f13</sub> | 47.00   | 0.250      | 0.500 | 1.65  | 1.50  |
| 852-5615  | TDC107K010WSG | <sup>10</sup> / <sub>f13</sub> | 100.00  | 0.350      | 0.650 | 2.84  | 2.58  |
| 852-5616  | TDC227K010WSG | <sup>10</sup> / <sub>f13</sub> | 220.00  | 0.350      | 0.650 | 6.56  | 5.96  |
| 852-5661  | TDC106K015NSF | <sup>15</sup> / <sub>f20</sub> | 10.00   | 0.250      | 0.500 | .69   | .63   |
| 852-5618  | TDC226K015NSF | <sup>15</sup> / <sub>f20</sub> | 22.00   | 0.250      | 0.500 | .91   | .83   |
| 852-5620  | TDC686M015WSG | <sup>15</sup> / <sub>f20</sub> | 68.00   | 0.350      | 0.650 | 2.87  | 2.51  |
| 852-5617  | TDC157K015WSG | <sup>15</sup> / <sub>f20</sub> | 150.00  | 0.350      | 0.650 | 12.33 | 10.98 |
| 852-5663  | TDC225M025NSE | <sup>20</sup> / <sub>f26</sub> | 2.20    | 0.175      | 0.350 | .57   | .50   |
| 852-5625  | TDC475K020NSE | <sup>20</sup> / <sub>f26</sub> | 4.70    | 0.175      | 0.350 | .67   | .61   |
| 852-5665  | TDC106K020NSF | <sup>20</sup> / <sub>f26</sub> | 10.00   | 0.250      | 0.500 | .86   | .78   |
| 852-5621  | TDC156K020NSF | <sup>20</sup> / <sub>f26</sub> | 15.00   | 0.250      | 0.500 | 1.01  | .87   |
| 852-5623  | TDC226M020NSF | <sup>20</sup> / <sub>f26</sub> | 22.00   | 0.250      | 0.500 | 2.52  | 2.22  |
| 852-5667  | TDC476K020WSG | <sup>20</sup> / <sub>f26</sub> | 47.00   | 0.350      | 0.650 | 2.67  | 2.43  |
| 852-5666  | TDC476M020WSG | <sup>20</sup> / <sub>f26</sub> | 47.00   | 0.350      | 0.650 | 4.57  | 3.98  |
| 852-5672  | TDC107K020WSG | <sup>20</sup> / <sub>f26</sub> | 100.00  | 0.350      | 0.650 | 6.86  | 6.09  |
| 852-5668  | TDC107M020WSG | <sup>20</sup> / <sub>f26</sub> | 100.00  | 0.350      | 0.650 | 6.76  | 6.02  |
| 852-5669  | TDC685K025NSF | <sup>25</sup> / <sub>f32</sub> | 6.80    | 0.250      | 0.500 | .95   | .84   |
| 852-5673  | TDC106K025NSF | <sup>25</sup> / <sub>f32</sub> | 10.00   | 0.250      | 0.500 | .91   | .83   |
| 852-5670  | TDC106M025NSF | <sup>25</sup> / <sub>f32</sub> | 10.00   | 0.250      | 0.500 | 1.50  | 1.37  |
| 852-5671  | TDC226M025NSF | <sup>25</sup> / <sub>f32</sub> | 22.00   | 0.250      | 0.500 | 3.80  | 3.29  |
| 852-5627  | TDC336K025WSG | <sup>25</sup> / <sub>f32</sub> | 33.00   | 0.350      | 0.650 | 2.98  | 2.60  |
| 852-5677  | TDC105K035NSE | <sup>30</sup> / <sub>f46</sub> | 1.00    | 0.175      | 0.350 | .51   | .46   |
| 852-5674  | TDC105M035NSE | <sup>30</sup> / <sub>f46</sub> | 1.00    | 0.175      | 0.350 | .46   | .41   |
| 852-5635  | TDC155K035NSE | <sup>35</sup> / <sub>f46</sub> | 1.50    | 0.175      | 0.350 | .57   | .50   |
| 852-5676  | TDC225M035NSE | <sup>35</sup> / <sub>f46</sub> | 2.20    | 0.175      | 0.350 | .55   | .50   |
| 852-5637  | TDC225K035NSE | <sup>35</sup> / <sub>f46</sub> | 2.20    | 0.175      | 0.350 | .60   | .54   |
| 852-5639  | TDC335K035NSF | <sup>35</sup> / <sub>f46</sub> | 3.30    | 0.250      | 0.500 | 1.10  | .98   |
| 852-5690  | TDC475K035NSF | <sup>35</sup> / <sub>f46</sub> | 4.70    | 0.250      | 0.500 | .80   | .70   |
| 852-5678  | TDC475M035NSF | <sup>35</sup> / <sub>f46</sub> | 4.70    | 0.250      | 0.500 | 1.28  | 1.15  |
| 852-5661  | TDC685K035NSF | <sup>35</sup> / <sub>f46</sub> | 6.80    | 0.250      | 0.500 | 1.59  | 1.42  |
| 852-5683  | TDC106K035NSF | <sup>35</sup> / <sub>f46</sub> | 10.00   | 0.250      | 0.500 | 1.36  | 1.24  |
| 852-5680  | TDC106M035NSF | <sup>35</sup> / <sub>f46</sub> | 10.00   | 0.250      | 0.500 | 1.26  | 1.15  |
| 852-5686  | TDC226K035WSG | <sup>35</sup> / <sub>f46</sub> | 22.00   | 0.350      | 0.650 | 2.80  | 2.45  |
| 852-5682  | TDC226M035WSG | <sup>35</sup> / <sub>f46</sub> | 22.00   | 0.350      | 0.650 | 2.66  | 2.32  |
| 852-5687  | TDC476K035WSG | <sup>35</sup> / <sub>f46</sub> | 47.00   | 0.350      | 0.650 | 12.02 | 10.71 |
| 852-5684  | TDC476M035WSG | <sup>35</sup> / <sub>f46</sub> | 47.00   | 0.350      | 0.650 | 6.70  | 5.96  |
| 852-5685  | TDC104K050NSE | <sup>50</sup> / <sub>f65</sub> | 0.10    | 0.175      | 0.350 | .55   | .50   |
| 852-5649  | TDC334K050NSE | <sup>50</sup> / <sub>f65</sub> | 0.33    | 0.175      | 0.350 | .55   | .50   |
| 852-5691  | TDC105M050NSE | <sup>50</sup> / <sub>f65</sub> | 1.00    | 0.175      | 0.350 | .57   | .50   |
| 852-5643  | TDC105K050NSE | <sup>50</sup> / <sub>f65</sub> | 1.00    | 0.175      | 0.350 | .60   | .54   |
| 852-5651  | TDC475K050NSF | <sup>50</sup> / <sub>f65</sub> | 4.70    | 0.250      | 0.500 | 1.17  | 1.07  |
| 852-5644  | TDC106K050WSG | <sup>50</sup> / <sub>f65</sub> | 10.00   | 0.350      | 0.650 | 4.53  | 4.12  |
| 852-5645  | TDC106M050WSG | <sup>50</sup> / <sub>f65</sub> | 10.00   | 0.350      | 0.650 | 4.44  | 4.03  |

Type TLS Wet Tantalum Capacitor

— NEW —

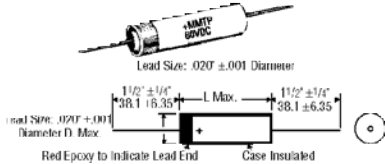


This silver case capacitor has extremely low DCL, long operating life, rugged mechanical construction, wide operating temperature range and offers high capacitance for its size. This is the commercial version of the MIL-C-3965/4.

| Stock No.* | Mfr.'s Type   | Cap µF | WVDC @ 85°C | WVDC @ 125°C | Dia. × L In. |
|------------|---------------|--------|-------------|--------------|--------------|
| 852-0500   | TLS277K015CLC | 270    | 15          | 10           | .406 × .921  |
| 852-0502   | TLS107K025CLB | 100    | 25          | 15           | .312 × .796  |
| 852-0504   | TLS157K030CLC | 150    | 30          | 20           | .406 × .921  |
| 852-0506   | TLS106K050CLA | 10     | 50          | 30           | .219 × .608  |
| 852-0508   | TLS476K050CLB | 47     | 50          | 30           | .312 × .796  |
| 852-0510   | TLS826K050CLC | 82     | 50          | 30           | .406 × .921  |

\*Call your local Allies sales representative for pricing and availability.

Type MTP Subminiature Capacitors



Case Code Dimensions

| Case Code | Diameter | Length | Max. DCL at Max. WVDC in µA |       |
|-----------|----------|--------|-----------------------------|-------|
|           |          |        | +25°C                       | +85°C |
| B         | 0.145"   | 0.600" | 2.0                         | 8.0   |
| C         | 0.225"   | 0.778" | 2.0                         | 10.0  |

| Stock No. | Mfr.'s Type   | WVDC @ 85°C | Cap µF | Max. DF @ 25°C | Case Code | EACH  |       |
|-----------|---------------|-------------|--------|----------------|-----------|-------|-------|
|           |               |             |        |                |           | 1-24  | 25-49 |
| 852-0760  | MTP456M030P1B | 30          | 45.0   | 18             | B         | 23.31 | 21.15 |
| 852-0762  | MTP127M030P1C | 30          | 120.0  | 21             | C         | 30.92 | 28.11 |
| 852-0768  | MTP107M035P1C | 35          | 100.0  | 17             | C         | 34.44 | 31.47 |

Capacitor Kits In Plastic Storage Cabinets

**SKSEK151 Miniature Electrolytic Mallobin.** A collection of 85 and 105C miniature aluminum electrolytic radial leaded capacitors.

**852-2609.** SKSEK151.....EACH 56.35

**MONO151A Monolithic Capacitor Mallobin.** A collection of Monolithic ceramic capacitors with voltages to 200 WVDC. Values from 10 pf to 1 µf.

**852-2610.** MONO151A.....EACH 217.14

**TC151A.** Assorted axial leaded aluminum electrolytic capacitors with voltages to 450 WVDC. Values from 20 µf to 200 µf.

**852-2601.** TC151A.....EACH 201.09

**TDC151A.** An assortment of epoxy dipped solid tantalum capacitors. Voltages to 50 WVDC. Values from 0.1 µf to 220 µf. **Tolerance:** ±10%.

**852-2602.** TDC151A.....EACH 157.55

**TAC151A Solid Tantalum.** An assortment of 78 axial leaded molded solid tantalum capacitors. Six each of 24 popular ratings from 0.1 µf to 47 µf. Voltages to 50 WVDC.

**852-2620.** TAC151A.....EACH 231.96



Monolithic Ceramic Capacitors

CK05



CK06



These Molded Case Monolithic Ceramic Capacitors are constructed to MIL-C-11015. **Tolerance:** ±10%. **Operating Temperature Range:** -55°C to +125°C. Capacitors are 0.09 ±0.01" (2.29 ±0.25 mm) thick; lead spacing is 0.2 ±0.015" (5.08 ±0.38 mm); lead length is 1.25" (31.75 mm) minimum. Made from ferroelectric, barium titanate material.

| Stock No. | Mfr.'s Type | Cap. pF | WVDC | EACH |       |       |         |
|-----------|-------------|---------|------|------|-------|-------|---------|
|           |             |         |      | 1-24 | 25-49 | 50-99 | 100-249 |
| 852-1161  | CK05BX223K  | 22000   | 50   | .84  | .56   | .43   | .36     |
| 852-1163  | CK05BX333K  | 33000   | 50   | .60  | .43   | .38   | .33     |
| 852-1165  | CK05BX473K  | 47000   | 50   | 1.02 | .67   | .46   | .39     |
| 852-1170  | CK05BX104K  | 100000  | 50   | .97  | .64   | .49   | .37     |
| 852-1147  | CK05BX152K  | 1500    | 100  | .72  | .47   | .32   | .28     |
| 852-1149  | CK05BX222K  | 2200    | 100  | .74  | .48   | .35   | .29     |
| 852-1151  | CK05BX332K  | 3300    | 100  | .79  | .51   | .36   | .29     |
| 852-1153  | CK05BX472K  | 4700    | 100  | 1.08 | .58   | .38   | .28     |
| 852-1155  | CK05BX682K  | 6800    | 100  | .71  | .43   | .32   | .28     |
| 852-1156  | CK05BX822K  | 8200    | 100  | .74  | .45   | .32   | .29     |
| 852-1157  | CK05BX103K  | 10000   | 100  | .63  | .40   | .28   | .24     |
| 852-1121  | CK05BX100K  | 10      | 200  | .72  | .47   | .31   | .28     |
| 852-1123  | CK05BX150K  | 15      | 200  | .72  | .47   | .31   | .28     |
| 852-1125  | CK05BX220K  | 22      | 200  | .71  | .48   | .32   | .29     |
| 852-1126  | CK05BX270K  | 27      | 200  | .72  | .46   | .31   | .28     |
| 852-1127  | CK05BX330K  | 33      | 200  | .71  | .46   | .31   | .28     |
| 852-1129  | CK05BX470K  | 47      | 200  | .71  | .46   | .31   | .28     |

| Stock No. | Mfr.'s Type | Cap. pF | WVDC | EACH |       |       |         |
|-----------|-------------|---------|------|------|-------|-------|---------|
|           |             |         |      | 1-24 | 25-49 | 50-99 | 100-249 |
| 852-1133  | CK05BX101K  | 100     | 200  | .58  | .37   | .25   | .22     |
| 852-1134  | CK05BX151K  | 150     | 200  | .72  | .47   | .32   | .28     |
| 852-1136  | CK05BX181K  | 180     | 200  | .72  | .47   | .32   | .28     |
| 852-1137  | CK05BX221K  | 220     | 200  | .74  | .45   | .30   | .25     |
| 852-1139  | CK05BX331K  | 330     | 200  | .72  | .47   | .32   | .28     |
| 852-1141  | CK05BX471K  | 470     | 200  | .75  | .48   | .33   | .29     |
| 852-1142  | CK05BX561K  | 560     | 200  | .72  | .47   | .32   | .28     |
| 852-1143  | CK05BX681K  | 680     | 200  | .72  | .46   | .32   | .26     |
| 852-1144  | CK05BX821K  | 820     | 200  | .77  | .50   | .35   | .30     |
| 852-1145  | CK05BX102K  | 1000    | 200  | .59  | .37   | .28   | .23     |
| 852-1196  | CK06BX224K  | 220000  | 50   | 1.90 | 1.33  | 1.12  | .95     |
| 852-1197  | CK06BX474K  | 470000  | 50   | 2.28 | 1.50  | 1.35  | 1.23    |
| 852-1198  | CK06BX684K  | 680000  | 50   | 5.98 | 3.65  | 2.39  | 2.22    |
| 852-1194  | CK06BX105K  | 1000000 | 50   | 5.65 | 3.44  | 2.59  | 2.27    |
| 852-1189  | CK06BX473K  | 470000  | 100  | .77  | .49   | .41   | .40     |
| 852-1193  | CK06BX104K  | 100000  | 100  | .76  | .49   | .37   | .33     |
| 852-1195  | CK06BX103K  | 10000   | 200  | .63  | .39   | .30   | .24     |

Call Your Nearest Allied Location (1-800-433-5700) For Pricing And Availability

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