click here to see hardware and mounting options

# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

## Ultra-Ripple, Long Life Screw Terminal Type


Type 550C is the standard for motor drive and other high-ripple, long-life applications. It boasts more than 25% extra ripple capability per can size, but less capacitance than Type 520C. Expected operating life is more than 100,000 hours in typical applications. Type 550C is rated for 20,000 h life with full ripple current, rated voltage, 85 ºC and 100 lfm airflow while mounted horizontally. Horizontal mounting is more severe than vertical mounting. The extended cathode foil of the 550C assures heat flow from the capacitor element to the can in all orientations.

## Highlights

- Load life up to 20,000 hours at 85 ºC
- High ripple current
- ESRs to 7 mΩ

## Specifications

| | |
|---|---|
| **Temperature Range** | –40 °C to +105 °C |
| **Rated Voltage Range** | 200 Vdc to 500 Vdc |
| **Capacitance Range** | 680 µF to 35,000 µF |
| **Capacitance Tolerance** | –10% +50% |
| **Leakage Current** | ≤3 $\sqrt{CV}$ µA, 4 mA max, 5 minutes |
| **Ripple Current Multipliers** | Ambient Temperature |

| 45 ºC | 55 ºC | 65 ºC | 75 ºC | 85 ºC | 95 ºC | 105 ºC |
|---|---|---|---|---|---|---|
| 1.66 | 1.52 | 1.37 | 1.20 | 1.00 | 0.75 | 0.36 |

| Frequency | 50 Hz | 60 Hz | 120 Hz | 360 Hz | 1 kHz | 5 kHz | 10 kHz & up |
|---|---|---|---|---|---|---|---|
| **1 3/8" & 2 1/2" Diameters** | | | | | | | |
| **200 to 350 V** | 0.77 | 0.82 | 1.00 | 1.21 | 1.32 | 1.37 | 1.38 |
| **400 to 500 V** | 0.73 | 0.78 | 1.00 | 1.33 | 1.53 | 1.66 | 1.68 |
| **3" & 3 1/2" Diameters** | | | | | | | |
| **200 to 350 V** | 0.80 | 0.85 | 1.00 | 1.17 | 1.24 | 1.28 | 1.29 |
| **400 to 500 V** | 0.73 | 0.79 | 1.00 | 1.31 | 1.51 | 1.63 | 1.65 |

| | |
|---|---|
| **Low Temperature Characteristics** | Impedance ratio: $Z_{-20^{\circ}C}/Z_{+25^{\circ}C}$<br>≤ 3 (200–500 Vdc) |
| **Endurance Life Test** | 5,000 hr. load life at 85 ºC<br>10,000 hr. load life at 105 ºC<br>Δ Capacitance ±20%<br>ESR 200% of limit<br>DCL 100% of limit |

**Operating Life**

| Diameter | Rated Voltage and Ripple Current @105 ºC (hours) | Rated Voltage @105 ºC (hours) |
|---|---|---|
| 2½" (66) | 15000 | 18000 |
| 3" (77) | 15000 | 18000 |
| 3½ (90) | 15000 | 18000 |

Load life up to 20000 hours at 105 ºC with 90% VDC

| | |
|---|---|
| **Shelf Life Test** | 500 h at 105 °C<br>Capacitance 100% of limit<br>ESR 100% of limit<br>DCL 100% of limit |
| **Vibration** | 10 to 55 Hz, 0.06" and 10 g max, 1.5 h each of two axis |

Regulatory Information

# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

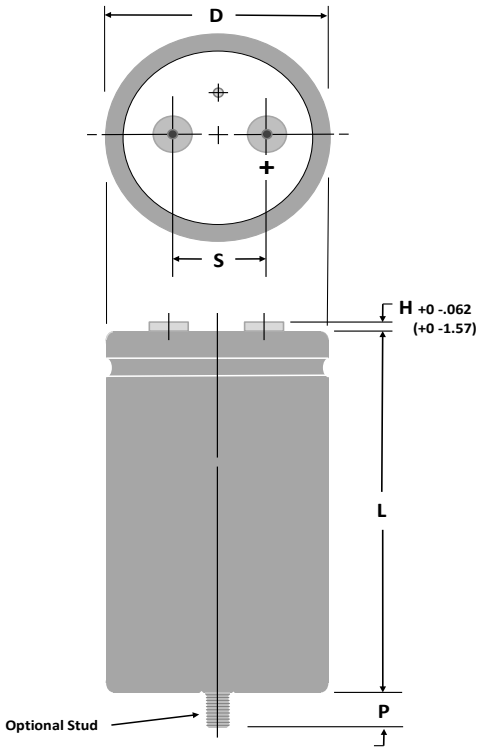
## Ultra-Ripple, Long Life Screw Terminal Type

## Part Numbering System

| 550C | 812 | T | 450 | FG | 2 | D | S |
|---|---|---|---|---|---|---|---|
| **Type** | **Capacitance** | **Tolerance** | **Voltage** | **Case Code** | **Insulation** | **Terminal** | **Can Style** |
| | **812** =8100 µF | **M** = ±20%<br>**U** = –10%+75%<br>**T** = –10%+50% | **200** = 200 Vdc | | **0**= None<br>**1**= Polyester<br>**2**= PVC | **A** = Low Post<br>**B** = High Post<br>**D** = High Current, Low Post<br>**E** = High Current, High Post<br>**F** = M5 Post<br>M = M5 Post, Small<br>**G** = M6 Low Post<br>**H** = M6 High Post | **Blank**= Standard Can<br>**S**= Stud Bottom<br>**P**= Stud with Thermal Pad |

Standard insulation is 0.008-in PVC sleeve with 0.01-in polypropylene end disk.
Polyester insulation is not available for 3.5 inch diameter units.

## Outline Drawing




## Stud Dimensions

| Case Diam. | Stud Thread | P± 0.039″ (±1.0 mm) |
|---|---|---|
| 1.375 | M8 | 0.470″ (12.0) |
| 1.750 | M8 | 0.470″ (12.0) |
| 2.000 | M12 | 0.630″ (16.0) |
| 2.500 | M12 | 0.630″ (16.0) |
| 3.000 | M12 | 0.630″ (16.0) |
| 3.500 | M12 | 0.630″ (16.0) |

NOTE: With the stud-mount feature, a thermally-conductive disk can be inserted in the bottom flush with the outer insulating sleeve. This reduces the thermal resistance through the can bottom by 0.3 °C/W. Can Style P.

## Terminal Dimensions

| Terminal Style | For Case Diameters | Code | Post Diameter in | Post Diameter mm | H max in | H max mm | Thread | min Full Thread in | min Full Thread mm | Torque in·lb | Torque N·m |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Low Post** | 1⅜ to 3 | A | 0.314 | 8.0 | 0.094 | 2.4 | 10–32 | 0.218 | 5.5 | 25 | 2.82 |
| **High Post** | 1⅜ to 3 | B | 0.314 | 8.0 | 0.281 | 7.1 | 10–32 | 0.375 | 9.5 | 25 | 2.82 |
| **High Current, Low** | 2½ to 3½ | D | 0.684 | 17.4 | 0.125 | 3.2 | ¼–28 | 0.344 | 8.7 | 50 | 5.65 |
| **High Current, High** | 2½ to 3½ | E | 0.684 | 17.4 | 0.281 | 7.1 | ¼–28 | 0.469 | 11.9 | 60 | 6.78 |
| **M5 Post, Small** | 1⅜ to 2 | M | 0.314 | 8.0 | 0.281 | 7.1 | M5 | 0.375 | 9.5 | 25 | 2.82 |
| **M5 Post** | 2½ & 3 | F | 0.512 | 13.0 | 0.230 | 5.8 | M5 | 0.344 | 8.7 | 25 | 2.82 |
| **M6 Low Post** | 2½ to 3½ | G | 0.684 | 17.4 | 0.125 | 3.2 | M6 | 0.344 | 8.7 | 50 | 5.65 |
| **M6 High Post** | 2½ to 3½ | H | 0.684 | 17.4 | 0.281 | 7.1 | M6 | 0.469 | 11.9 | 60 | 6.78 |

**NOTE:** Only high post and M5 post terminals are available at 550 Vdc as they meet the required creepage distance.

# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

## Ultra-Ripple, Long Life Screw Terminal Type

### Uninsulated Case Dimensions

For insulated case, add 0.024"(0.610 mm) to "D"and 0.030"(0.762 mm) to length.

| | Diam. (D) | | Length (L) | | Terminals (S) | | Typical Weight | |
|---|---|---|---|---|---|---|---|---|
| Case Code | ±.031 Inches | ±.78 mm | ±.062 Inches | ±1.57 mm | ±0.015 Inches | ±.38 mm | oz | g |
| AK | 1.375 | 34.93 | 1.625 | 41.28 | 0.50 | 12.70 | 1.9 | 54 |
| AA | 1.375 | 34.93 | 2.125 | 53.98 | 0.50 | 12.70 | 2.0 | 57 |
| AH | 1.375 | 34.93 | 2.625 | 66.68 | 0.50 | 12.70 | 2.7 | 77 |
| AB | 1.375 | 34.93 | 3.125 | 79.38 | 0.50 | 12.70 | 3.3 | 94 |
| AJ | 1.375 | 34.93 | 3.625 | 92.08 | 0.50 | 12.70 | 3.8 | 108 |
| AC | 1.375 | 34.93 | 4.125 | 104.78 | 0.50 | 12.70 | 4.4 | 125 |
| AD | 1.375 | 34.93 | 4.625 | 117.48 | 0.50 | 12.70 | 5.1 | 145 |
| AE | 1.375 | 34.93 | 5.125 | 130.18 | 0.50 | 12.70 | 6.8 | 193 |
| AF | 1.375 | 34.93 | 5.625 | 142.88 | 0.50 | 12.70 | 8.1 | 230 |
| EA | 1.750 | 44.45 | 2.125 | 53.98 | 0.75 | 19.05 | 2.7 | 76 |
| EH | 1.750 | 44.45 | 2.625 | 66.68 | 0.75 | 19.05 | 3.8 | 108 |
| EB | 1.750 | 44.45 | 3.125 | 79.38 | 0.75 | 19.05 | 5.1 | 145 |
| EJ | 1.750 | 44.45 | 3.625 | 92.08 | 0.75 | 19.05 | 6.8 | 193 |
| EC | 1.750 | 44.45 | 4.125 | 104.78 | 0.75 | 19.05 | 8.1 | 230 |
| ED | 1.750 | 44.45 | 4.625 | 117.48 | 0.75 | 19.05 | 9.0 | 255 |
| EE | 1.750 | 44.45 | 5.125 | 130.18 | 0.75 | 19.05 | 9.5 | 269 |
| EF | 1.750 | 44.45 | 5.625 | 142.88 | 0.75 | 19.05 | 10.5 | 298 |
| BA | 2.000 | 50.80 | 2.125 | 53.98 | 0.88 | 22.23 | 5.4 | 153 |
| BH | 2.000 | 50.80 | 2.625 | 66.68 | 0.88 | 22.23 | 6.1 | 173 |
| BB | 2.000 | 50.80 | 3.125 | 79.38 | 0.88 | 22.23 | 6.8 | 193 |
| BJ | 2.000 | 50.80 | 3.625 | 92.08 | 0.88 | 22.23 | 8.2 | 232 |
| BC | 2.000 | 50.80 | 4.125 | 104.78 | 0.88 | 22.23 | 9.5 | 269 |
| BD | 2.000 | 50.80 | 4.625 | 117.48 | 0.88 | 22.23 | 10.3 | 292 |
| BE | 2.000 | 50.80 | 5.125 | 130.18 | 0.88 | 22.23 | 10.7 | 303 |
| BF | 2.000 | 50.80 | 5.625 | 142.88 | 0.88 | 22.23 | 13.0 | 369 |
| CH | 2.500 | 63.50 | 2.625 | 66.68 | 1.13 | 28.58 | 9.2 | 261 |
| CB | 2.500 | 63.50 | 3.125 | 79.38 | 1.13 | 28.58 | 10.4 | 295 |
| CJ | 2.500 | 63.50 | 3.625 | 92.08 | 1.13 | 28.58 | 12.7 | 361 |
| CC | 2.500 | 63.50 | 4.125 | 104.78 | 1.13 | 28.58 | 15.0 | 425 |
| CD | 2.500 | 63.50 | 4.625 | 117.48 | 1.13 | 28.58 | 17.2 | 488 |
| CE | 2.500 | 63.50 | 5.125 | 130.18 | 1.13 | 28.58 | 19.3 | 547 |
| CF | 2.500 | 63.50 | 5.625 | 142.88 | 1.13 | 28.58 | 21.4 | 607 |
| DB | 3.000 | 76.20 | 3.125 | 79.38 | 1.25 | 31.75 | 16.7 | 473 |
| DJ | 3.000 | 76.20 | 3.625 | 92.08 | 1.25 | 31.75 | 20.0 | 567 |
| DC | 3.000 | 76.20 | 4.125 | 104.78 | 1.25 | 31.75 | 22.2 | 629 |
| DD | 3.000 | 76.20 | 4.625 | 117.48 | 1.25 | 31.75 | 25.5 | 723 |
| DE | 3.000 | 76.20 | 5.125 | 130.18 | 1.25 | 31.75 | 30.0 | 850 |
| DF | 3.000 | 76.20 | 5.625 | 142.88 | 1.25 | 31.75 | 31.9 | 904 |
| DM | 3.000 | 76.20 | 6.625 | 168.28 | 1.25 | 31.75 | 34.4 | 933.5 |
| DP | 3.000 | 76.20 | 5.875 | 149.23 | 1.25 | 31.75 | 32.8 | 931 |
| DN | 3.000 | 76.20 | 7.625 | 193.68 | 1.25 | 31.75 | 39.5 | 1119 |
| DG | 3.000 | 76.20 | 8.625 | 219.08 | 1.25 | 31.75 | 43.3 | 1227 |
| FC | 3.500 | 88.90 | 4.125 | 104.78 | 1.25 | 31.75 | 30.0 | 850 |
| FD | 3.500 | 88.90 | 4.625 | 117.48 | 1.25 | 31.75 | 34.4 | 976 |
| FE | 3.500 | 88.90 | 5.125 | 130.18 | 1.25 | 31.75 | 40.5 | 1148 |
| FF | 3.500 | 88.90 | 5.625 | 142.88 | 1.25 | 31.75 | 43.1 | 1221 |
| FP | 3.500 | 88.90 | 5.875 | 149.23 | 1.25 | 31.75 | 44.3 | 1257 |
| FN | 3.500 | 88.90 | 7.625 | 193.68 | 1.25 | 31.75 | 53.3 | 1512 |
| FG | 3.500 | 88.90 | 8.625 | 219.08 | 1.25 | 31.75 | 58.5 | 1658 |
| FM | 3.500 | 88.90 | 6.625 | 168.28 | 1.25 | 31.75 | 46.4 | 1315.4 |

# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

## Ultra-Ripple, Long Life Screw Terminal Type

## Ratings

| MFD | CATALOG NO. | ESR MAX. @ 25°C 120 Hz (mOhms) | Ripple Current Max @85°C 120 Hz (A) | Ripple Current Max @ 105°C 120 Hz (A) | CASE SIZE DIA X LENGTH |
|---|---|---|---|---|---|
| **200 VDC (250 VDC SURGE)** | | | | | |
| 2800 | 550C282T200CH2B | 45.4 | 10.5 | 3.8 | 2 1/2 X 2 5/8 |
| 4000 | 550C402T200CB2B | 32.6 | 13.2 | 4.7 | 2 1/2 X 3 1/8 |
| 5100 | 550C512T200CJ2B | 25.5 | 15.6 | 5.6 | 2 1/2 X 3 5/8 |
| 6200 | 550C622T200CC2B | 20.6 | 18.1 | 6.5 | 2 1/2 X 4 1/8 |
| 7300 | 550C732T200CD2B | 17.6 | 20.3 | 7.3 | 2 1/2 X 4 5/8 |
| 7300 | 550C732T200DJ2B | 21.2 | 19.1 | 6.9 | 3 X 3 5/8 |
| 8500 | 550C852T200CE2B | 15.5 | 22.5 | 8.1 | 2 1/2 X 5 1/8 |
| 9000 | 550C902T200DC2B | 17.6 | 21.9 | 7.9 | 3 X 4 1/8 |
| 9600 | 550C962T200CF2B | 13.8 | 24.5 | 8.8 | 2 1/2 X 5 5/8 |
| 11000 | 550C113T200DD2B | 15.1 | 24.5 | 8.8 | 3 X 4 5/8 |
| 12000 | 550C123T200DE2B | 13.3 | 27.0 | 9.7 | 3 X 5 1/8 |
| 13000 | 550C133T200FC2D | 18.0 | 23.8 | 8.6 | 3 1/2 X 4 1/8 |
| 14000 | 550C143T200DF2B | 11.9 | 29.4 | 10.6 | 3 X 5 5/8 |
| 15000 | 550C153T200DP2D | 11.4 | 30.6 | 11.0 | 3 X 5 7/8 |
| 16000 | 550C163T200FD2D | 15.3 | 26.8 | 9.6 | 3 1/2 X 4 5/8 |
| 18000 | 550C183T200FE2D | 13.6 | 29.4 | 10.6 | 3 1/2 X 5 1/8 |
| 20000 | 550C203T200FF2D | 12.2 | 31.9 | 11.5 | 3 1/2 X 5 5/8 |
| 21000 | 550C213T200DN2D | 9.5 | 36.8 | 13.2 | 3 X 7 5/8 |
| 22000 | 550C223T200FP2D | 11.6 | 33.2 | 11.9 | 3 1/2 X 5 7/8 |
| 24000 | 550C243T200DG2D | 8.2 | 40.4 | 14.6 | 3 X 8 5/8 |
| 30000 | 550C303T200FN2D | 9.3 | 40.6 | 14.6 | 3 1/2 X 7 5/8 |
| 35000 | 550C353T200FG2D | 7.9 | 44.9 | 16.2 | 3 1/2 X 8 5/8 |
| **250 VDC (300 VDC SURGE)** | | | | | |
| 2100 | 550C212T250CH2B | 58.6 | 9.3 | 3.3 | 2 1/2 X 2 5/8 |
| 4200 | 550C422T250DB2B | 33.5 | 14.5 | 5.2 | 2 1/2 X 3 1/8 |
| 4600 | 550C462T250CC2B | 27.1 | 15.8 | 5.7 | 2 1/2 X 4 1/8 |
| 5400 | 550C542T250CD2B | 23.1 | 17.8 | 6.4 | 2 1/2 X 4 5/8 |
| 5400 | 550C542T250DJ2B | 25.9 | 17.3 | 6.2 | 3 X 3 5/8 |
| 6200 | 550C622T250CE2B | 19.8 | 19.9 | 7.2 | 2 1/2 X 5 1/8 |
| 6600 | 550C662T250DC2B | 21.5 | 19.9 | 7.1 | 3 X 4 1/8 |
| 7100 | 550C712T250CF2B | 17.6 | 21.7 | 7.8 | 2 1/2 X 5 5/8 |
| 7800 | 550C782T250DD2B | 18.3 | 22.3 | 8.0 | 3 X 4 5/8 |
| 9000 | 550C902T250DE2B | 16.1 | 24.6 | 8.9 | 3 X 5 1/8 |
| 9700 | 550C973T250FC2D | 19.1 | 23.1 | 8.3 | 3 1/2 X 4 1/8 |
| 10000 | 550C103T250DF2B | 14.4 | 26.8 | 9.6 | 3 X 5 5/8 |
| 11000 | 550C113T250DP2B | 13.2 | 28.2 | 10.2 | 3 X 5 7/8 |
| 11000 | 550C113T250FD2D | 16.6 | 25.8 | 9.3 | 3 1/2 X 4 5/8 |
| 13000 | 550C133T250FE2D | 14.5 | 28.4 | 10.2 | 3 1/2 X 5 1/8 |

| MFD | CATALOG NO. | ESR MAX. @ 25°C 120 Hz (mOhms) | Ripple Current Max @85°C 120 Hz (A) | Ripple Current Max @ 105°C 120 Hz (A) | CASE SIZE DIA X LENGTH |
|---|---|---|---|---|---|
| **250 VDC (300 VDS SURGE)** | | | | | |
| 15000 | 550C153T250DN2D | 10.9 | 34.4 | 12.4 | 3 X 7 5/8 |
| 15000 | 550C153T250FF2D | 12.8 | 31.2 | 11.2 | 3 1/2 X 5 5/8 |
| 16000 | 550C163T250FP2D | 12.2 | 32.3 | 11.6 | 3 1/2 X 5 7/8 |
| 17000 | 550C173T250DG2D | 9.2 | 38.3 | 13.8 | 3 X 8 5/8 |
| 22000 | 550C223T250FN2D | 9.9 | 39.5 | 14.2 | 3 1/2 X 7 5/8 |
| 25000 | 550C253T250FG2D | 8.4 | 43.7 | 15.7 | 3 1/2 X 8 5/8 |
| **300 VDC (350 VDC SURGE)** | | | | | |
| 1600 | 550C162T300CH2B | 90.7 | 7.4 | 2.7 | 2 1/2 X 2 5/8 |
| 2200 | 550C222T300CB2B | 65.1 | 9.3 | 3.4 | 2 1/2 X 3 1/8 |
| 2800 | 550C282T300CJ2B | 50.8 | 11.1 | 4.0 | 2 1/2 X 3 5/8 |
| 3400 | 550C342T300DB2B | 43.7 | 12.7 | 4.6 | 3 X 3 1/8 |
| 3500 | 550C352T300CC2B | 41.6 | 12.8 | 4.6 | 2 1/2 X 4 1/8 |
| 4100 | 550C412T300CD2B | 35.5 | 14.4 | 5.2 | 2 1/2 X 4 5/8 |
| 4400 | 550C442T300DJ2B | 34.2 | 15.1 | 5.4 | 3 X 3 5/8 |
| 4700 | 550C472T300CE2B | 31.0 | 15.9 | 5.7 | 2 1/2 X 5 1/8 |
| 5300 | 550C532T300CF2B | 27.1 | 17.5 | 6.3 | 2 1/2 X 5 5/8 |
| 5400 | 550C542T300DC2B | 28.3 | 17.3 | 6.2 | 3 X 4 1/8 |
| 6400 | 550C642T300DD2B | 24.1 | 19.4 | 7.0 | 3 X 4 5/8 |
| 7200 | 550C722T300FC2D | 21.8 | 21.7 | 7.8 | 3 1/2 X 4 1/8 |
| 7400 | 550C742T300DE2B | 21.1 | 21.5 | 7.7 | 3 X 5 1/8 |
| 8300 | 550C832T300DF2B | 18.8 | 23.4 | 8.4 | 3 X 5 5/8 |
| 8600 | 550C862T300FD2D | 18.6 | 24.3 | 8.8 | 3 1/2 X 4 5/8 |
| 8800 | 550C882T300DP2B | 17.9 | 24.3 | 8.8 | 3 X 5 7/8 |
| 9900 | 550C993T300FE2D | 16.2 | 26.8 | 9.7 | 3 1/2 X 5 1/8 |
| 11000 | 550C113T300FF2D | 14.0 | 29.6 | 10.7 | 3 1/2 X 5 5/8 |
| 12000 | 550C123T300FP2D | 13.3 | 30.8 | 11.1 | 3 1/2 X 5 7/8 |
| 12000 | 550C123T300DN2B | 14.4 | 30.0 | 10.8 | 3 X 7 5/8 |
| 14000 | 550C143T300DG2D | 12.2 | 33.3 | 12.0 | 3 X 8 5/8 |
| 16000 | 550C163T300FN2D | 10.7 | 38.1 | 13.7 | 3 1/2 X 7 5/8 |
| 18000 | 550C183T300FG2D | 8.9 | 42.3 | 15.2 | 3 1/2 X 8 5/8 |
| **350 VDC (400 VDC SURGE)** | | | | | |
| 1300 | 550C132T350CH2B | 100.6 | 7.1 | 2.5 | 2 1/2 X 2 5/8 |
| 1800 | 550C182T350CB2B | 72.0 | 8.8 | 3.2 | 2 1/2 X 3 1/8 |
| 2300 | 550C232T350CJ2B | 56.3 | 10.5 | 3.8 | 2 1/2 X 3 5/8 |
| 2800 | 550C282T350CC2B | 46.4 | 12.1 | 4.4 | 2 1/2 X 4 1/8 |
| 2800 | 550C282T350DB2B | 47.8 | 12.2 | 4.4 | 3 X 3 1/8 |
| 3300 | 550C332T350CD2B | 39.4 | 13.6 | 4.9 | 2 1/2 X 4 5/8 |
| 3600 | 550C362T350DJ2B | 37.4 | 14.5 | 5.2 | 3 X 3 5/8 |

# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

## Ultra-Ripple, Long Life Screw Terminal Type

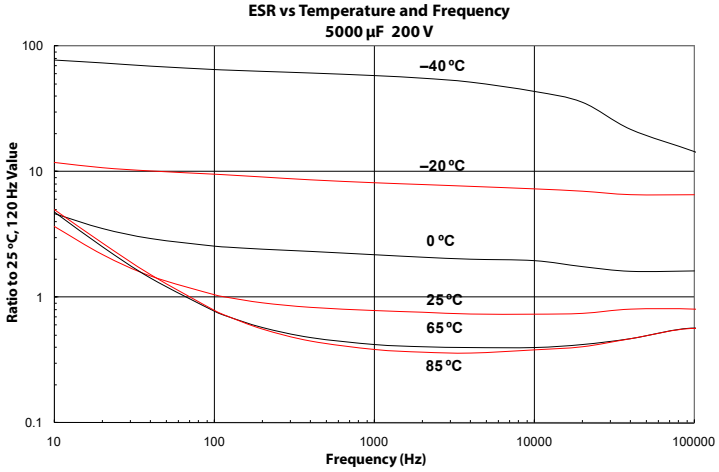
| MFD | CATALOG NO. | ESR MAX. @ 25°C 120 Hz (mOhms) | Ripple Current Max @85°C 120 Hz (A) | @ 105°C 120 Hz (A) | CASE SIZE DIA X LENGTH |
|---|---|---|---|---|---|
| **350 VDC (400 VDC SURGE)** | | | | | |
| 3800 | 550C382T350CE2B | 34.5 | 15.1 | 5.4 | 2 1/2 X 5 1/8 |
| 4300 | 550C432T350CF2B | 29.9 | 16.7 | 6.0 | 2 1/2 X 5 5/8 |
| 4400 | 550C442T350DC2B | 30.9 | 16.6 | 6.0 | 3 X 4 1/8 |
| 5100 | 550C512T350DD2B | 26.3 | 18.6 | 6.7 | 3 X 4 5/8 |
| 5800 | 550C582T350FC2D | 23.8 | 20.8 | 7.5 | 3 1/2 X 4 1/8 |
| 5900 | 550C592T350DE2B | 23.0 | 20.6 | 7.4 | 3 X 5 1/8 |
| 6700 | 550C672T350DF2B | 20.5 | 22.4 | 8.1 | 3 X 5 5/8 |
| 6900 | 550C692T350FD2D | 20.3 | 23.3 | 8.4 | 3 1/2 X 4 5/8 |
| 7100 | 550C712T350DP2B | 19.5 | 23.3 | 8.4 | 3 X 5 7/8 |
| 8000 | 550C802T350FE2D | 17.7 | 25.7 | 9.3 | 3 1/2 X 5 1/8 |
| 9000 | 550C902T350FF2D | 15.3 | 28.4 | 10.2 | 3 1/2 X 5 5/8 |
| 9500 | 550C952T350FP2D | 14.5 | 29.6 | 10.6 | 3 1/2 X 5 7/8 |
| 9600 | 550C962T350DN2B | 15.4 | 29.0 | 10.4 | 3 X 7 5/8 |
| 11000 | 550C113T350DG2D | 12.9 | 32.3 | 11.6 | 3 X 8 5/8 |
| 13000 | 550C133T350FN2D | 11.5 | 36.6 | 13.2 | 3 1/2 X 7 5/8 |
| 15000 | 550C153T350FG2D | 9.6 | 40.7 | 14.6 | 3 1/2 X 8 5/8 |
| **400 VDC (450 VDC SURGE)** | | | | | |
| 990 | 550C991T400CH2B | 110.4 | 6.7 | 2.4 | 2 1/2 X 2 5/8 |
| 1400 | 550C142T400CB2B | 79.1 | 8.4 | 3.0 | 2 1/2 X 3 1/8 |
| 1800 | 550C182T400CJ2B | 61.7 | 10.0 | 3.6 | 2 1/2 X 3 5/8 |
| 2200 | 550C222T400CC2B | 50.8 | 11.6 | 4.2 | 2 1/2 X 4 1/8 |
| 2200 | 550C222T400DB2B | 53.0 | 11.6 | 4.2 | 3 X 3 1/8 |
| 2600 | 550C262T400CD2B | 43.3 | 13.0 | 4.7 | 2 1/2 X 4 5/8 |
| 2800 | 550C282T400DJ2B | 41.4 | 13.7 | 4.9 | 3 X 3 5/8 |
| 3000 | 550C302T400CE2B | 37.7 | 14.4 | 5.2 | 2 1/2 X 5 1/8 |
| 3400 | 550C342T400CF2B | 33.5 | 15.8 | 5.7 | 2 1/2 X 5 5/8 |
| 3400 | 550C342T400DC2B | 34.0 | 15.8 | 5.7 | 3 X 4 1/8 |
| 4000 | 550C402T400DD2B | 29.0 | 17.7 | 6.4 | 3 X 4 5/8 |
| 4600 | 550C462T400FC2D | 25.8 | 20.0 | 7.2 | 3 1/2 X 4 1/8 |
| 4700 | 550C472T400DE2B | 24.8 | 19.8 | 7.1 | 3 X 5 1/8 |
| 5300 | 550C532T400DF2B | 22.0 | 21.6 | 7.8 | 3 X 5 5/8 |
| 5400 | 550C542T400FD2D | 21.9 | 22.4 | 8.1 | 3 1/2 X 4 5/8 |
| 5600 | 550C562T400DP2B | 21.0 | 22.4 | 8.1 | 3 X 5 7/8 |
| 6200 | 550C622T400FE2D | 19.1 | 24.7 | 8.9 | 3 1/2 X 5 1/8 |
| 7100 | 550C712T400FF2D | 16.0 | 27.3 | 9.8 | 3 1/2 X 5 5/8 |
| 7500 | 550C752T400FP2D | 15.7 | 28.4 | 10.2 | 3 1/2 X 5 7/8 |
| 7800 | 550C782T400DN2B | 16.9 | 27.6 | 9.9 | 3 X 7 5/8 |
| 9000 | 550C902T400DG2D | 14.4 | 30.6 | 11.0 | 3 X 8 5/8 |
| 9700 | 550C972T400FN2D | 12.6 | 34.9 | 12.6 | 3 1/2 X 7 5/8 |
| 11000 | 550C113T400FG2D | 10.7 | 38.7 | 13.9 | 3 1/2 X 8 5/8 |
| **450 VDC (500 VDC SURGE)** | | | | | |
| 700 | 550C701T450CH2B | 125.3 | 6.3 | 2.3 | 2 1/2 X 2 5/8 |
| 980 | 550C981T450CB2B | 89.7 | 7.9 | 2.9 | 2 1/2 X 3 1/8 |
| 1300 | 550C132T450CJ2B | 66.5 | 9.7 | 3.5 | 2 1/2 X 3 5/8 |

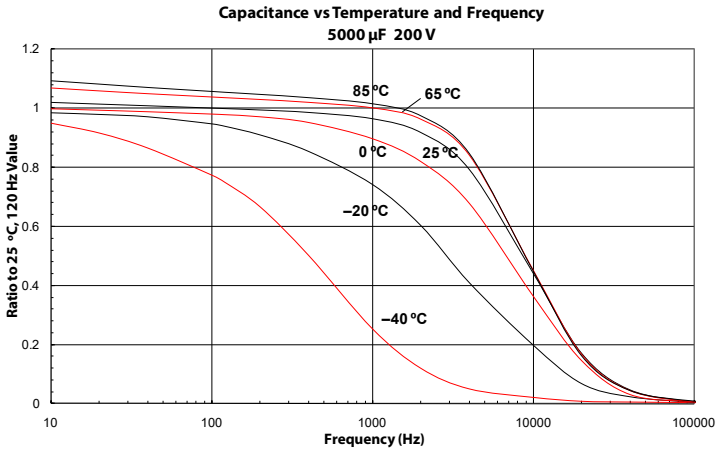
| MFD | CATALOG NO. | ESR MAX. @ 25°C 120 Hz (mOhms) | Ripple Current Max @85°C 120 Hz (A) | @ 105°C 120 Hz (A) | CASE SIZE DIA X LENGTH |
|---|---|---|---|---|---|
| **450 VDC (500 VDC SURGE)** | | | | | |
| 1500 | 550C152T450CC2B | 57.5 | 10.9 | 3.9 | 2 1/2 X 4 1/8 |
| 1500 | 550C152T450DB2B | 55.0 | 11.3 | 4.1 | 3 X 3 1/8 |
| 1800 | 550C182T450CD2B | 49.0 | 12.2 | 4.4 | 2 1/2 X 4 5/8 |
| 2000 | 550C202T450DJ2B | 42.9 | 13.5 | 4.8 | 3 X 3 5/8 |
| 2100 | 550C212T450CE2B | 40.5 | 13.9 | 5.0 | 2 1/2 X 5 1/8 |
| 2400 | 550C242T450CF2B | 35.4 | 15.3 | 5.5 | 2 1/2 X 5 5/8 |
| 2400 | 550C242T450DC2B | 35.5 | 15.5 | 5.6 | 3 X 4 1/8 |
| 2900 | 550C292T450DD2B | 30.3 | 17.4 | 6.3 | 3 X 4 5/8 |
| 3200 | 550C322T450FC2D | 26.6 | 19.6 | 7.1 | 3 1/2 X 4 1/8 |
| 3300 | 550C332T450DE2B | 26.3 | 19.2 | 6.9 | 3 X 5 1/8 |
| 3700 | 550C372T450DF2B | 23.4 | 20.9 | 7.5 | 3 X 5 5/8 |
| 3800 | 550C382T450FD2D | 22.6 | 22.1 | 7.9 | 3 1/2 X 4 5/8 |
| 4000 | 550C402T450DP2B | 22.3 | 21.8 | 7.8 | 3 X 5 7/8 |
| 4400 | 550C442T450FE2D | 19.7 | 24.3 | 8.8 | 3 1/2 X 5 1/8 |
| 5000 | 550C502T450FF2D | 17.5 | 26.5 | 9.6 | 3 1/2 X 5 5/8 |
| 5300 | 550C532T450FP2D | 16.6 | 27.6 | 9.9 | 3 1/2 X 5 7/8 |
| 5500 | 550C552T450DN2B | 18.0 | 26.8 | 9.6 | 3 X 7 5/8 |
| 6400 | 550C642T450DG2D | 15.2 | 29.8 | 10.7 | 3 X 8 5/8 |
| 7100 | 550C712T450FN2D | 13.1 | 34.3 | 12.3 | 3 1/2 X 7 5/8 |
| 8100 | 550C813T450FG2D | 11.0 | 38.2 | 13.7 | 3 1/2 X 8 5/8 |
| **500 VDC (550 VDC SURGE)** | | | | | |
| 680 | 550C681T500CH2B | 228.5 | 4.7 | 1.7 | 2 1/2 X 2 5/8 |
| 680 | 550C961T500CB2B | 163.6 | 5.9 | 2.1 | 2 1/2 X 3 1/8 |
| 1200 | 550C122T500CJ2B | 126.4 | 7.0 | 2.5 | 2 1/2 X 3 5/8 |
| 1400 | 550C142T500DB2B | 100.0 | 8.4 | 3.0 | 3 X 3 1/8 |
| 1500 | 550C152T500CC2B | 98.9 | 8.3 | 3.0 | 2 1/2 X 4 1/8 |
| 1800 | 550C182T500CD2B | 84.0 | 9.3 | 3.4 | 2 1/2 X 4 5/8 |
| 1900 | 550C192T500DJ2B | 76.6 | 10.1 | 3.6 | 3 X 3 5/8 |
| 2000 | 550C202T500CE2B | 77.0 | 10.1 | 3.6 | 2 1/2 X 5 1/8 |
| 2300 | 550C232T500DC2B | 62.5 | 11.6 | 4.2 | 3 X 4 1/8 |
| 2300 | 550C232T500CF2B | 64.6 | 11.4 | 4.1 | 2 1/2 X 5 5/8 |
| 2700 | 550C272T500DD2B | 52.4 | 13.2 | 4.7 | 3 X 4 5/8 |
| 3100 | 550C312T450DE2B | 45.1 | 14.7 | 5.3 | 3 X 5 1/8 |
| 3200 | 550C322T500FC2D | 45.0 | 15.1 | 5.4 | 3 1/2 X 4 1/8 |
| 3500 | 550C352T500DF2B | 40.0 | 16.1 | 5.8 | 3 X 5 5/8 |
| 3700 | 550C372T500DP2B | 37.6 | 16.8 | 6.0 | 3 X 5 7/8 |
| 3800 | 550C382T500FD2D | 37.5 | 17.1 | 6.2 | 3 1/2 X 4 5/8 |
| 4300 | 550C432T500FE2D | 32.9 | 18.8 | 6.8 | 3 1/2 X 5 1/8 |
| 4900 | 550C492T500FF2D | 28.2 | 20.9 | 7.5 | 3 1/2 X 5 5/8 |
| 5200 | 550C522T500FP2D | 26.7 | 21.8 | 7.9 | 3 1/2 X 5 7/8 |
| 5400 | 550C542T500DN2B | 30.3 | 20.9 | 7.5 | 3 X 7 5/8 |
| 6000 | 550C602T500DG2B | 22.9 | 24.2 | 8.7 | 3 X 8 5/8 |
| 7000 | 550C702T500FN2D | 19.7 | 27.9 | 10.1 | 3 1/2 X 7 5/8 |
| 8400 | 550C843T500FG2D | 16.6 | 31.0 | 11.2 | 3 1/2 X 8 5/8 |

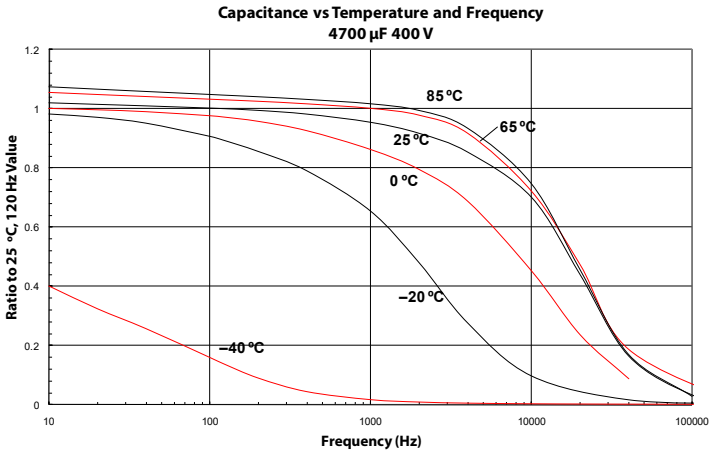
# Type 550C 105 °C High Ripple, Inverter Grade, Aluminum

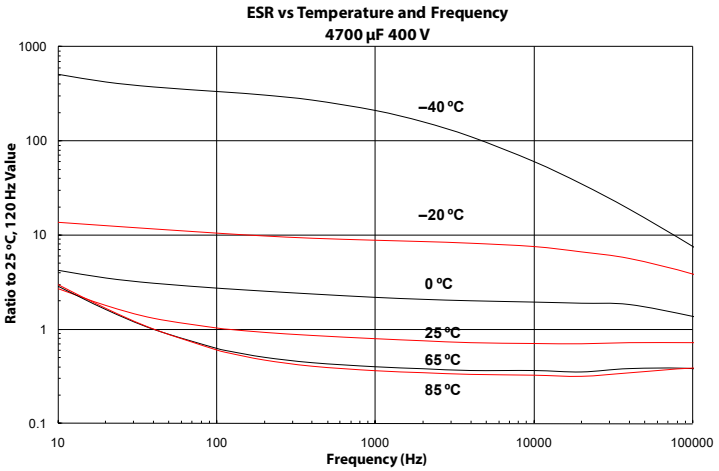
## Ultra-Ripple, Long Life Screw Terminal Type

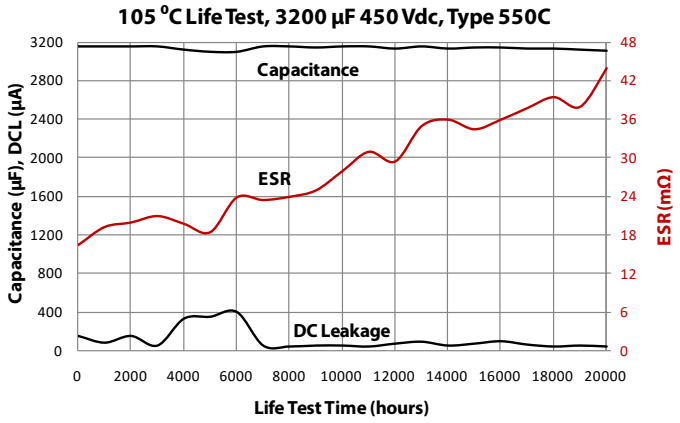
## Typical Performance Curves

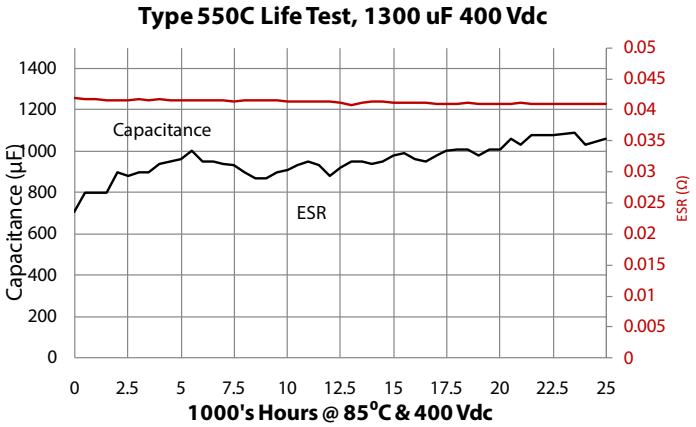


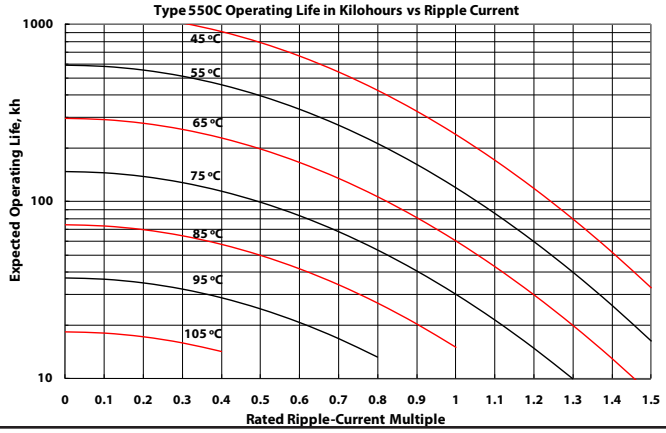

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