# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

## Best Value 85 °C High Capacitance Screw Terminal Type

While Type 3186's standard encasement is by compression with the capacitor element captured on an aluminum peg in the can bottom and a phenolic peg in the top, rilled construction is available. With rilled construction the element is secured by rills, spoon shaped dimples in the side of the can. Rilled construction offers the industry's highest vibration and shock withstanding and excellent heat transfer. Besides increasing ripple current handling, the rilled construction extends the great value of the Type 3186 into military and transportation applications that require rugged mechanical capability.

## Highlights

- Rilled cans withstand high shock and vibration
- High ripple current capability
- High capacitance per can

## Specifications

| | |
|---|---|
| **Temperature Range** | –40 °C to +85 °C |
| **Rated Voltage Range** | 16 Vdc to 500 Vdc |
| **Capacitance Range** | 220 uF to 1.0 F |
| **Capacitance Tolerance** | –10% +75% ≤ 160 Vdc<br>–10% +50% ≥ 200 Vdc |
| **Leakage Current** | $\leq 6\sqrt{CV}$ µA (6 mA max.) at 5 minutes |
| **Ripple Current Multipliers** | Ambient Temperature<br>**45 °C** 2.24 \| **55 °C** 2.00 \| **65 °C** 1.73 \| **75 °C** 1.41 \| **85 °C** 1.00<br>Frequency<br>**16 – 100 V**: 0.90 \| 1.00 \| 1.15 \| 1.25 \| 1.30<br>**200 – 500 V**: 0.90 \| 1.00 \| 1.25 \| 1.40 \| 1.50<br>(60 Hz \| 120 Hz \| 300 Hz \| 1000 Hz \| ≥10 kHz) |
| **Low Temperature Characteristics** | Impedance ratio: $Z_{-20\,°C}/Z_{+25\,°C}$<br>≤ 8 (16–50 Vdc)<br>≤ 4 (63–100 Vdc)<br>≤ 3 (150–500 Vdc) |
| **Endurance Life Test** | 1,500 h @ full load at 85 °C<br>ΔCapacitance ±10%<br>ESR 200% of limit<br>DCL 100% of limit |
| **Shelf Life Test** | 500 h @ 85 °C<br>ΔCapacitance ±10%<br>ESR 175% of limit<br>DCL 100% of limit |
| **Vibration** | 10 to 500 Hz, 0.75 mm or 10 g* if less,<br>3 directions, 2 h ea<br>Δ Capacitance: ±5%<br>no visible damage or leakage<br>*15 g if rilled construction |
| **RoHS Compliant** | |

# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

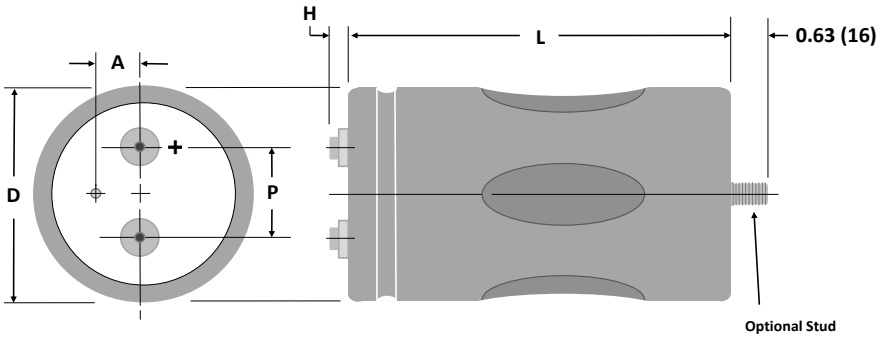
## Best Value 85 °C High Capacitance Screw Terminal Type

## Part Numbering System

| 3186 | GH | 562 | T | 400 | M | P | A1 |
|---|---|---|---|---|---|---|---|
| **Type** | **Case Code** | **Capacitance**<br>562=5600 µF<br>223=22000 µF<br>821=820 µF | **Tolerance**<br>M= ±20%<br>S= –10 +30%<br>T= –10 +50%<br>U= –10 +75% | **Voltage**<br>016=16 Vdc<br>450=450 Vdc | **Terminal**<br>A=high post<br>B=low post<br>D=high current low post<br>K=high current high post<br>M=M5 high post<br>J=M6 low post | **Insulation**<br>P=0.008" PVC<br>N=none with mounting clamp/bracket<br>R=0.008" PVC<br>X=none | **Construction***<br>A1=compression<br>R1=rilled<br>S1=stud & compression<br>T1=stud & rilled |

## Outline Drawing

* Construction code is also a sequence number, e.g., A1, A2,---,A9, B1,B2,---, for customer specifications. Sequence number 1 in A1, R1, S1 and T1 denotes the standard catalog capacitor with no special requirements.




## 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) |

## Can Dimensions Insulation Adders

| | Diameter (D) | | Length (L) | | Standing Height (H) | |
|---|---|---|---|---|---|---|
| | (in) | (mm ) | (in) | (mm ) | (in) | (mm ) |
| 0.008" PVC | 0.02 | 0.51 | 0.032 | 0.81 | 0.024 | 0.61 |

## 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 | 1 3/8 to 3 | B | 0.314 | 8.0 | 0.094 | 2.4 | 10–32 | 0.218 | 5.5 | 25 | 2.82 |
| High Post | 1 3/8 to 3 | A | 0.314 | 8.0 | 0.281 | 7.1 | 10–32 | 0.375 | 9.5 | 25 | 2.82 |
| High Current, Low | 2 1/2 & 3 | D | 0.684 | 17.4 | 0.125 | 3.2 | ¼–28 | 0.344 | 8.7 | 50 | 5.65 |
| High Current, High | 2 1/2 & 3 | K | 0.684 | 17.4 | 0.281 | 7.1 | ¼–28 | 0.469 | 11.9 | 60 | 6.78 |
| M5 High Post | 1 3/8 to 2 | M | 0.314 | 8.0 | 0.281 | 7.1 | M5 | 0.375 | 9.5 | 25 | 2.82 |
| M5 Post | 2 1/2 & 3 | F | 0.512 | 13.0 | 0.230 | 5.8 | M5 | 0.344 | 8.7 | 25 | 2.82 |
| M6 Low Post | 3 | J | 0.684 | 17.4 | 0.125 | 3.2 | M6 | 0.344 | 8.7 | 50 | 5.65 |

# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

## Best Value 85 °C High Capacitance Screw Terminal Type

## Case Dimensions, Uninsulated Bare Can

| Case Code | Diam. (D) ±0.031 (in) | Diam. (D) ±0.8 (mm) | Length (L) ±0.062 (in) | Length (L) ±1.6 (mm) | Terminal Space(P) ±0.014 (in) | Terminal Space(P) ±0.4 (mm) | Vent Plug (A) (in) | Vent Plug (A) (mm) | Typical Weight (oz) | Typical Weight (g) | Optional Bracket Part No. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BA | 1.375 | 34.9 | 2.125 | 54.0 | 0.5 | 12.7 | 0.39 | 8.0 | 2.5 | 72 | 115058-06 |
| BB | 1.375 | 34.9 | 2.625 | 66.7 | 0.5 | 12.7 | 0.39 | 8.0 | 3.2 | 90 | 115058-06 |
| BC | 1.375 | 34.9 | 3.125 | 79.4 | 0.5 | 12.7 | 0.39 | 8.0 | 3.7 | 105 | 115058-06 |
| BD | 1.375 | 34.9 | 3.625 | 92.1 | 0.5 | 12.7 | 0.39 | 8.0 | 4.2 | 120 | 115058-06 |
| BE | 1.375 | 34.9 | 4.125 | 104.8 | 0.5 | 12.7 | 0.39 | 8.0 | 4.7 | 135 | 115058-06 |
| BF | 1.375 | 34.9 | 4.625 | 117.5 | 0.5 | 12.7 | 0.39 | 8.0 | 6.0 | 170 | 115058-06 |
| BG | 1.375 | 34.9 | 5.125 | 130.2 | 0.5 | 12.7 | 0.39 | 8.0 | 7.7 | 220 | 115058-06 |
| BH | 1.375 | 34.9 | 5.625 | 142.9 | 0.5 | 12.7 | 0.39 | 8.0 | 9.5 | 270 | 115058-06 |
| DA | 1.750 | 44.5 | 2.125 | 54.0 | 0.75 | 19.1 | 0.453 | 11.5 | 5.6 | 160 | 115058-15 |
| DB | 1.750 | 44.5 | 2.625 | 66.7 | 0.75 | 19.1 | 0.453 | 11.5 | 6.1 | 175 | 115058-15 |
| DC | 1.750 | 44.5 | 3.125 | 79.4 | 0.75 | 19.1 | 0.453 | 11.5 | 6.3 | 180 | 115058-15 |
| DD | 1.750 | 44.5 | 3.625 | 92.1 | 0.75 | 19.1 | 0.453 | 11.5 | 7.2 | 205 | 115058-15 |
| DE | 1.750 | 44.5 | 4.125 | 104.8 | 0.75 | 19.1 | 0.453 | 11.5 | 7.7 | 220 | 115058-15 |
| DF | 1.750 | 44.5 | 4.625 | 117.5 | 0.75 | 19.1 | 0.453 | 11.5 | 8.2 | 235 | 115058-15 |
| DG | 1.750 | 44.5 | 5.125 | 130.2 | 0.75 | 19.1 | 0.453 | 11.5 | 8.8 | 250 | 115058-15 |
| DH | 1.750 | 44.5 | 5.625 | 142.9 | 0.75 | 19.1 | 0.453 | 11.5 | 9.5 | 270 | 115058-15 |
| EA | 2.000 | 50.8 | 2.125 | 54.0 | 0.875 | 22.2 | 0.5 | 12.7 | 6.0 | 170 | 115058-09 |
| EB | 2.000 | 50.8 | 2.625 | 66.7 | 0.875 | 22.2 | 0.5 | 12.7 | 6.3 | 180 | 115058-09 |
| EC | 2.000 | 50.8 | 3.125 | 79.4 | 0.875 | 22.2 | 0.5 | 12.7 | 6.7 | 190 | 115058-09 |
| ED | 2.000 | 50.8 | 3.625 | 92.1 | 0.875 | 22.2 | 0.5 | 12.7 | 7.7 | 220 | 115058-09 |
| EE | 2.000 | 50.8 | 4.125 | 104.8 | 0.875 | 22.2 | 0.5 | 12.7 | 8.9 | 255 | 115058-09 |
| EF | 2.000 | 50.8 | 4.625 | 117.5 | 0.875 | 22.2 | 0.5 | 12.7 | 10.2 | 290 | 115058-09 |
| EG | 2.000 | 50.8 | 5.125 | 130.2 | 0.875 | 22.2 | 0.5 | 12.7 | 11.2 | 320 | 115058-09 |
| EH | 2.000 | 50.8 | 5.625 | 142.9 | 0.875 | 22.2 | 0.5 | 12.7 | 12.3 | 350 | 115058-09 |
| FB | 2.500 | 63.5 | 2.625 | 66.7 | 1.125 | 28.6 | 0.625 | 15.9 | 10.5 | 300 | 115058-14 |
| FC | 2.500 | 63.5 | 3.125 | 79.4 | 1.125 | 28.6 | 0.625 | 15.9 | 13.0 | 370 | 115058-14 |
| FD | 2.500 | 63.5 | 3.625 | 92.1 | 1.125 | 28.6 | 0.625 | 15.9 | 14.0 | 400 | 115058-14 |
| FE | 2.500 | 63.5 | 4.125 | 104.8 | 1.125 | 28.6 | 0.625 | 15.9 | 15.6 | 445 | 115058-14 |
| FF | 2.500 | 63.5 | 4.625 | 117.5 | 1.125 | 28.6 | 0.625 | 15.9 | 21.0 | 600 | 115058-14 |
| FG | 2.500 | 63.5 | 5.125 | 130.2 | 1.125 | 28.6 | 0.625 | 15.9 | 22.8 | 650 | 115058-14 |
| FH | 2.500 | 63.5 | 5.625 | 142.9 | 1.125 | 28.6 | 0.625 | 15.9 | 21.0 | 600 | 115058-14 |
| GC | 3.000 | 76.2 | 3.125 | 79.4 | 1.25 | 31.8 | 0.75 | 19.0 | 18.2 | 520 | 115058-11 |
| GD | 3.000 | 76.2 | 3.625 | 92.1 | 1.25 | 31.8 | 0.75 | 19.0 | 20.0 | 570 | 115058-11 |
| GE | 3.000 | 76.2 | 4.125 | 104.8 | 1.25 | 31.8 | 0.75 | 19.0 | 21.0 | 600 | 115058-11 |
| GF | 3.000 | 76.2 | 4.625 | 117.5 | 1.25 | 31.8 | 0.75 | 19.0 | 25.2 | 720 | 115058-11 |
| GG | 3.000 | 76.2 | 5.125 | 130.2 | 1.25 | 31.8 | 0.75 | 19.0 | 29.8 | 850 | 115058-11 |
| GH | 3.000 | 76.2 | 5.625 | 142.9 | 1.25 | 31.8 | 0.75 | 19.0 | 34.0 | 970 | 115058-11 |
| GJ | 3.000 | 76.2 | 5.875 | 149.2 | 1.25 | 31.8 | 0.75 | 19.0 | 36.8 | 1050 | 115058-11 |
| GN | 3.000 | 76.2 | 8.625 | 219.1 | 1.25 | 31.8 | 0.75 | 19.0 | 51.1 | 1460 | 115058-11 |

# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

## Best Value 85 °C High Capacitance Screw Terminal Type

## Ratings

| Capacitance (µF) | Catalog Part Number | ESR max 120 Hz, 25°C (mΩ) | Ripple max 120 Hz, 85 °C (A) | Case Size DxL (in) |
|---|---|---|---|---|
| **16 Volts (20 Volts Surge)** | | | | |
| 22000 | 3186BA223T016APA1 | 25.0 | 5.4 | 1.375 X 2.125 |
| 39000 | 3186BC393T016APA1 | 18.0 | 7.6 | 1.375 X 3.125 |
| 56000 | 3186BE563T016APA1 | 14.0 | 9.7 | 1.375 X 4.125 |
| 82000 | 3186EC823T016APA1 | 6.0 | 17.0 | 2.00 X 3.125 |
| 120000 | 3186EE124T016APA1 | 5.0 | 21.0 | 2.00 X 4.125 |
| 150000 | 3186EF154T016APA1 | 4.0 | 23.0 | 2.00 X 4.625 |
| 150000 | 3186EH154T016APA1 | 4.0 | 25.0 | 2.00 X 5.625 |
| 220000 | 3186FE224T016APA1 | 4.0 | 27.0 | 2.50 X 4.125 |
| 270000 | 3186FF274T016APA1 | 4.0 | 29.0 | 2.50 X 4.625 |
| 330000 | 3186FH334T016DPA1 | 3.0 | 34.0 | 2.50 X 5.625 |
| 330000 | 3186GE334T016DPA1 | 4.0 | 32.0 | 3.00 X 4.125 |
| 390000 | 3186GF394T016DPA1 | 3.0 | 35.0 | 3.00 X 4.625 |
| 470000 | 3186GH474T016DPA1 | 3.0 | 40.0 | 3.00 X 5.625 |
| 820000 | 3186GN824T016DPA1 | 3.0 | 50.0 | 3.00 X 8.625 |
| 1000000 | 3186GN105T016DPA1 | 3.0 | 50.0 | 3.00 X 8.625 |
| **25 Volts (30 Volts Surge)** | | | | |
| 18000 | 3186BA183T025APA1 | 25.0 | 5.4 | 1.375 X 2.125 |
| 27000 | 3186BC273T025APA1 | 18.0 | 7.5 | 1.375 X 3.125 |
| 39000 | 3186BE393T025APA1 | 14.0 | 9.0 | 1.375 X 4.125 |
| 68000 | 3186EC683T025APA1 | 6.0 | 17.0 | 2.00 X 3.125 |
| 100000 | 3186EE104T025APA1 | 5.0 | 21.0 | 2.00 X 4.125 |
| 120000 | 3186EF124T025APA1 | 4.0 | 23.0 | 2.00 X 4.625 |
| 150000 | 3186EH154T025APA1 | 4.0 | 26.0 | 2.00 X 5.625 |
| 150000 | 3186FE154T025APA1 | 4.0 | 27.0 | 2.50 X 4.125 |
| 180000 | 3186FF184T025APA1 | 4.0 | 29.0 | 2.50 X 4.625 |
| 220000 | 3186FH224T025DPA1 | 3.0 | 31.0 | 2.50 X 5.625 |
| 220000 | 3186GE224T025DPA1 | 4.0 | 32.0 | 3.00 X 4.125 |
| 270000 | 3186GF274T025DPA1 | 3.0 | 35.0 | 3.00 X 4.625 |
| 330000 | 3186GH334T025DPA1 | 3.0 | 38.0 | 3.00 X 5.625 |
| 560000 | 3186GN564T025DPA1 | 3.0 | 50.0 | 3.00 X 8.625 |
| **40 Volts (50 Volts Surge)** | | | | |
| 10000 | 3186BA103T040APA1 | 33.0 | 4.8 | 1.375 X 2.125 |
| 15000 | 3186BC153T040APA1 | 19.0 | 7.4 | 1.375 X 3.125 |
| 22000 | 3186BE223T040APA1 | 14.0 | 9.4 | 1.375 X 4.125 |
| 39000 | 3186EC393T040APA1 | 7.0 | 15.0 | 2.00 X 3.125 |
| 56000 | 3186EE563T040APA1 | 6.0 | 19.0 | 2.00 X 4.125 |
| 68000 | 3186EF683T040APA1 | 5.0 | 21.0 | 2.00 X 4.625 |
| 82000 | 3186EH82T040APA1 | 5.0 | 23.0 | 2.00 X 5.625 |
| 100000 | 3186FE104T040APA1 | 5.0 | 24.0 | 2.50 X 4.125 |
| 120000 | 3186FF124T040APA1 | 4.0 | 27.0 | 2.50 X 4.625 |
| 150000 | 3186FH154T040DPA1 | 4.0 | 31.0 | 2.50 X 5.625 |
| 150000 | 3186GE154T040APA1 | 4.0 | 29.0 | 3.00 X 4.125 |
| 180000 | 3186GF184T040DPA1 | 4.0 | 35.0 | 3.00 X 4.625 |
| 220000 | 3186GH224T040DPA1 | 3.0 | 37.0 | 3.00 X 5.625 |
| 330000 | 3186GN334T040DPA1 | 3.0 | 50.0 | 3.00 X 8.625 |

| Capacitance (µF) | Catalog Part Number | ESR max 120 Hz, 25°C (mΩ) | Ripple max 120 Hz, 85 °C (A) | Case Size DxL (in) |
|---|---|---|---|---|
| **50 Volts (63 Volts Surge)** | | | | |
| 8200 | 3186BA822T050APA1 | 41.0 | 4.2 | 1.375 X 2.125 |
| 12000 | 3186BC123T050APA1 | 28.0 | 6.0 | 1.375 X 3.125 |
| 18000 | 3186BE183T050APA1 | 21.0 | 7.8 | 1.375 X 4.125 |
| 27000 | 3186EC273T050APA1 | 15.0 | 10.0 | 2.00 X 3.125 |
| 47000 | 3186EE473T050APA1 | 11.0 | 13.0 | 2.00 X 4.125 |
| 56000 | 3186EF563T050APA1 | 10.0 | 15.0 | 2.00 X 4.625 |
| 68000 | 3186EH683T050APA1 | 9.0 | 17.0 | 2.00 X 5.625 |
| 68000 | 3186FE683T050APA1 | 8.0 | 18.0 | 2.50 X 4.125 |
| 82000 | 3186FF823T050APA1 | 7.0 | 20.0 | 2.50 X 4.625 |
| 100000 | 3186FH104T050APA1 | 6.0 | 24.0 | 2.50 X 5.625 |
| 100000 | 3186GE104T050APA1 | 6.0 | 23.0 | 3.00 X 4.125 |
| 120000 | 3186GF124T050APA1 | 6.0 | 25.0 | 3.00 X 4.625 |
| 150000 | 3186GH154T050DPA1 | 5.0 | 30.0 | 3.00 X 5.625 |
| 220000 | 3186GN224T050DPA1 | 4.0 | 40.0 | 3.00 X 8.625 |
| **63 Volts (75 Volts Surge)** | | | | |
| 4700 | 3186BA472T063APA1 | 42.0 | 4.2 | 1.375 X 2.125 |
| 8200 | 3186BC822T063APA1 | 28.0 | 6.0 | 1.375 X 3.125 |
| 12000 | 3186BE123T063APA1 | 21.0 | 8.0 | 1.375 X 4.125 |
| 18000 | 3186EC183T063APA1 | 15.0 | 10.0 | 2.00 X 3.125 |
| 27000 | 3186EE273T063APA1 | 11.0 | 13.0 | 2.00 X 4.125 |
| 33000 | 3186EF333T063APA1 | 10.0 | 15.0 | 2.00 X 4.625 |
| 39000 | 3186EH393T063APA1 | 9.0 | 16.0 | 2.00 X 5.625 |
| 47000 | 3186FE473T063APA1 | 8.0 | 18.0 | 2.50 X 4.125 |
| 56000 | 3186FF563T063APA1 | 7.0 | 20.0 | 2.50 X 4.625 |
| 68000 | 3186FH683T063APA1 | 6.0 | 24.0 | 2.50 X 5.625 |
| 68000 | 3186GE683T063APA1 | 6.0 | 23.0 | 3.00 X 4.125 |
| 82000 | 3186GF823T063APA1 | 6.0 | 25.0 | 3.00 X 4.625 |
| 100000 | 3186GH104T063DPA1 | 5.0 | 30.0 | 3.00 X 5.625 |
| 150000 | 3186GN154T063DPA1 | 4.0 | 40.0 | 3.00 X 8.625 |
| **75 Volts (95 Volts Surge)** | | | | |
| 3900 | 3186BA392T075APA1 | 43.0 | 4.1 | 1.375 X 2.125 |
| 6800 | 3186BC682T075APA1 | 29.0 | 5.9 | 1.375 X 3.125 |
| 10000 | 3186BE103T075APA1 | 21.0 | 7.8 | 1.375 X 4.125 |
| 15000 | 3186EC153T075APA1 | 15.0 | 10.0 | 2.00 X 3.125 |
| 22000 | 3186EE223T075APA1 | 11.0 | 13.0 | 2.00 X 4.125 |
| 27000 | 3186EF273T075APA1 | 10.0 | 15.0 | 2.00 X 4.625 |
| 33000 | 3186EH333T075APA1 | 9.0 | 17.0 | 2.00 X 5.625 |
| 33000 | 3186FE333T075APA1 | 8.0 | 18.0 | 2.50 X 4.125 |
| 39000 | 3186FF393T075APA1 | 7.0 | 20.0 | 2.50 X 4.625 |
| 56000 | 3186FH563T075APA1 | 6.0 | 23.0 | 2.50 X 5.625 |
| 47000 | 3186GE473T075APA1 | 7.0 | 23.0 | 3.00 X 4.125 |
| 56000 | 3186GF563T075APA1 | 6.0 | 25.0 | 3.00 X 4.625 |
| 82000 | 3186GH823T075APA1 | 5.0 | 29.0 | 3.00 X 5.625 |
| 120000 | 3186GN124T075DPA1 | 4.0 | 40.0 | 3.00 X 8.625 |

# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

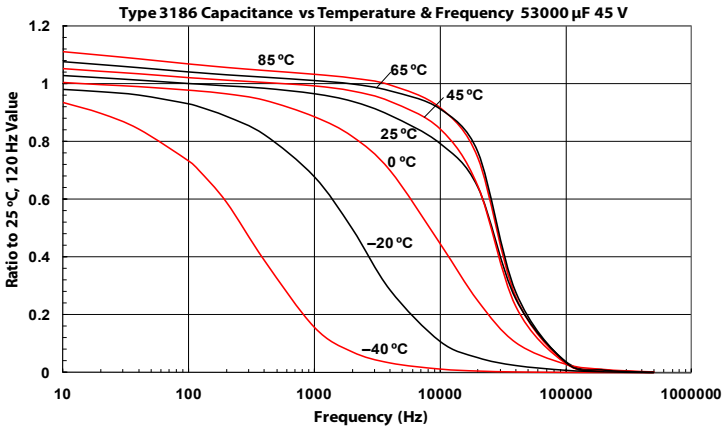
## Best Value 85 °C High Capacitance Screw Terminal Type

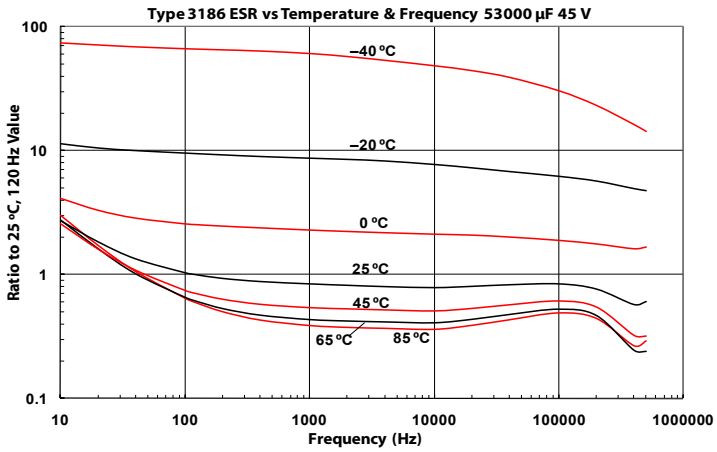
| Capacitance (µF) | Catalog Part Number | ESR max 120 Hz, 25°C (mΩ) | Ripple max 120 Hz, 85 °C (A) | Case Size DxL (in) |
|---|---|---|---|---|
| **100 Volts (125 Volts Surge)** | | | | |
| 2700 | 3186BA272T100APA1 | 65.0 | 3.3 | 1.375 X 2.125 |
| 3900 | 3186BC392T100APA1 | 50.0 | 4.3 | 1.375 X 3.125 |
| 5600 | 3186BE562T100APA1 | 32.0 | 5.9 | 1.375 X 4.125 |
| 10000 | 3186EC103T100APA1 | 52.0 | 5.5 | 2.00 X 3.125 |
| 15000 | 3186EE153T100APA1 | 37.0 | 7.3 | 2.00 X 4.125 |
| 18000 | 3186EF183T100APA1 | 27.0 | 9.0 | 2.00 X 4.625 |
| 22000 | 3186EH223T100APA1 | 11.0 | 15.0 | 2.00 X 5.625 |
| 22000 | 3186FE223T100APA1 | 19.0 | 11.0 | 2.50 X 4.125 |
| 27000 | 3186FF273T100APA1 | 16.0 | 13.0 | 2.50 X 4.625 |
| 33000 | 3186FH333T100APA1 | 14.0 | 14.0 | 2.50 X 5.625 |
| 33000 | 3186GE333T100APA1 | 14.0 | 14.0 | 3.00 X 4.125 |
| 39000 | 3186GF393T100APA1 | 11.0 | 17.0 | 3.00 X 4.625 |
| 56000 | 3186GH563T100DPA1 | 8.0 | 22.0 | 3.00 X 5.625 |
| 82000 | 3186GN823T100DPA1 | 7.0 | 25.0 | 3.00 X 8.625 |
| **200 Volts (250 Volts Surge)** | | | | |
| 1000 | 3186BA102T200APA1 | 109.0 | 2.6 | 1.375 X 2.125 |
| 1500 | 3186BC152T200APA1 | 77.0 | 3.4 | 1.375 X 3.125 |
| 2200 | 3186BE222T200APA1 | 52.0 | 4.6 | 1.375 X 4.125 |
| 3900 | 3186EC392T200APA1 | 73.0 | 4.8 | 2.00 X 3.125 |
| 5600 | 3186EE562T200APA1 | 24.0 | 8.6 | 2.00 X 4.125 |
| 6800 | 3186EF682T200APA1 | 21.0 | 9.9 | 2.00 X 4.625 |
| 8200 | 3186EH822T200APA1 | 17.0 | 12.0 | 2.00 X 5.625 |
| 10000 | 3186FE103T200APA1 | 22.0 | 11.0 | 2.50 X 4.125 |
| 12000 | 3186FF123T200APA1 | 17.0 | 12.0 | 2.50 X 4.625 |
| 15000 | 3186FH153T200APA1 | 16.0 | 14.0 | 2.50 X 5.625 |
| 12000 | 3186GE123T200APA1 | 26.0 | 11.0 | 3.00 X 4.125 |
| 15000 | 3186GF153T200APA1 | 23.0 | 12.0 | 3.00 X 4.625 |
| 22000 | 3186GH223T200APA1 | 17.0 | 15.0 | 3.00 X 5.625 |
| 33000 | 3186GN333T200APA1 | 15.0 | 17.0 | 3.00 X 8.625 |
| **250 Volts (300 Volts Surge)** | | | | |
| 680 | 3186BA681T250APA1 | 120.0 | 2.6 | 1.375 X 2.125 |
| 1200 | 3186BC122T250APA1 | 76.0 | 2.6 | 1.375 X 3.125 |
| 1800 | 3186BE182T250APA1 | 53.0 | 4.9 | 1.375 X 4.125 |
| 2700 | 3186EC272T250APA1 | 67.0 | 4.4 | 2.00 X 3.125 |
| 3900 | 3186EE392T250APA1 | 27.0 | 7.9 | 2.00 X 4.125 |
| 4700 | 3186EF472T250APA1 | 23.0 | 9.0 | 2.00 X 4.625 |
| 5600 | 3186EH562T250APA1 | 20.0 | 10.0 | 2.00 X 5.625 |
| 6800 | 3186FE682T250APA1 | 24.0 | 10.0 | 2.50 X 4.125 |
| 8200 | 3186FF822T250APA1 | 19.0 | 11.0 | 2.50 X 4.625 |
| 10000 | 3186FH103T250APA1 | 17.0 | 14.0 | 2.50 X 5.625 |
| 10000 | 3186GE103T250APA1 | 25.0 | 11.0 | 3.00 X 4.125 |
| 12000 | 3186GF123T250APA1 | 22.0 | 12.0 | 3.00 X 4.625 |
| 15000 | 3186GH153T250APA1 | 19.0 | 14.0 | 3.00 X 5.625 |
| 22000 | 3186GN223T250APA1 | 16.0 | 17.0 | 3.00 X 8.625 |
| **350 Volts (400 Volts Surge)** | | | | |
| 390 | 3186BA391T350APA1 | 270.0 | 1.3 | 1.375 X 2.125 |
| 680 | 3186BC681T350APA1 | 163.0 | 2.5 | 1.375 X 3.125 |
| 1000 | 3186BE102T350APA1 | 112.0 | 3.3 | 1.375 X 4.125 |
| 1500 | 3186EC152T350APA1 | 105.0 | 3.9 | 2.00 X 3.125 |
| 2200 | 3186EE222T350APA1 | 55.0 | 5.6 | 2.00 X 4.125 |
| 2700 | 3186EF272T350APA1 | 44.0 | 7.0 | 2.00 X 4.625 |
| 3300 | 3186EH332T350APA1 | 37.0 | 8.0 | 2.00 X 5.625 |
| 2700 | 3186FE272T350APA1 | 54.0 | 6.6 | 2.50 X 4.125 |
| 3900 | 3186FF392T350APA1 | 37.0 | 8.7 | 2.50 X 4.625 |
| 4700 | 3186FH472T350APA1 | 33.0 | 9.6 | 2.50 X 5.625 |
| 4700 | 3186GE472T350APA1 | 33.0 | 9.6 | 3.00 X 4.125 |
| 5600 | 3186GF562T350APA1 | 33.0 | 10.0 | 3.00 X 4.625 |
| 6800 | 3186GH682T350APA1 | 28.0 | 11.0 | 3.00 X 5.625 |
| 12000 | 3186GN123T350APA1 | 18.0 | 18.0 | 3.00 X 8.625 |
| **400 Volts (450 Volts Surge)** | | | | |
| 330 | 3186BA331T400APA1 | 290.0 | 1.3 | 1.375 X 2.125 |
| 560 | 3186BC561T400APA1 | 190.0 | 2.1 | 1.375 X 3.125 |
| 820 | 3186BE821T400APA1 | 129.0 | 3.0 | 1.375 X 4.125 |
| 1200 | 3186EC122T400APA1 | 95.0 | 3.7 | 2.00 X 3.125 |
| 1800 | 3186EE182T400APA1 | 59.0 | 5.5 | 2.00 X 4.125 |
| 2200 | 3186EF222T400APA1 | 50.0 | 6.4 | 2.00 X 4.625 |
| 2700 | 3186EH272T400APA1 | 39.0 | 7.9 | 2.00 X 5.625 |
| 2700 | 3186FE272T400APA1 | 48.0 | 7.3 | 2.50 X 4.125 |
| 3300 | 3186FF332T400APA1 | 39.0 | 8.5 | 2.50 X 4.625 |
| 3900 | 3186FH392T400APA1 | 37.0 | 9.4 | 2.50 X 5.625 |
| 3900 | 3186GE392T400APA1 | 37.0 | 9.4 | 3.00 X 4.125 |
| 4700 | 3186GF472T400APA1 | 34.0 | 10.0 | 3.00 X 4.625 |
| 5600 | 3186GH562T400APA1 | 28.0 | 11.0 | 3.00 X 5.625 |
| 10000 | 3186GN103T400APA1 | 18.0 | 18.0 | 3.00 X 8.625 |
| **450 Volts (525 Volts Surge)** | | | | |
| 220 | 3186BA221T450APA1 | 430.0 | 1.0 | 1.375 X 2.125 |
| 390 | 3186BC391T450APA1 | 310.0 | 1.8 | 1.375 X 3.125 |
| 560 | 3186BE561T450APA1 | 180.0 | 2.6 | 1.375 X 4.125 |
| 820 | 3186EC821T450APA1 | 145.0 | 3.0 | 2.00 X 3.125 |
| 1200 | 3186EE122T450APA1 | 85.0 | 4.6 | 2.00 X 4.125 |
| 1500 | 3186EF152T450APA1 | 71.0 | 5.3 | 2.00 X 4.625 |
| 1800 | 3186EH182T450APA1 | 60.0 | 5.9 | 2.00 X 5.625 |
| 2200 | 3186FE222T450APA1 | 53.0 | 6.7 | 2.50 X 4.125 |
| 2700 | 3186FF272T450APA1 | 45.0 | 7.7 | 2.50 X 4.625 |
| 3300 | 3186FH332T450APA1 | 35.0 | 9.5 | 2.50 X 5.625 |
| 3300 | 3186GE332T450APA1 | 35.0 | 9.5 | 3.00 X 4.125 |
| 3900 | 3186GF392T450APA1 | 36.0 | 9.8 | 3.00 X 4.625 |
| 4700 | 3186GH472T450APA1 | 31.0 | 11.0 | 3.00 X 5.625 |
| 8200 | 3186GN822T450APA1 | 23.0 | 14.0 | 3.00 X 8.625 |
| **500 Volts (550 Volts Surge)** | | | | |
| 820 | 3186EE821T500APA1 | 132.0 | 3.4 | 2.00 X 4.125 |
| 1200 | 3186EG122T500APA1 | 90.0 | 4.6 | 2.00 X 5.125 |
| 2200 | 3186FG222T500APA1 | 59.0 | 6.6 | 2.50 X 5.125 |
| 3300 | 3186GH332T500APA1 | 43.0 | 8.6 | 3.00 X 5.625 |

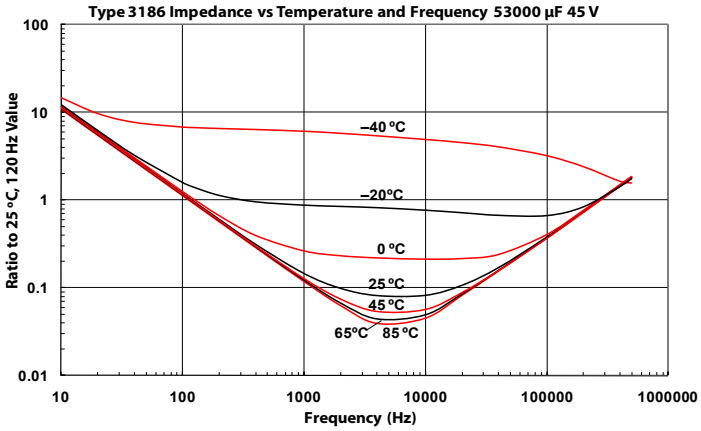
# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

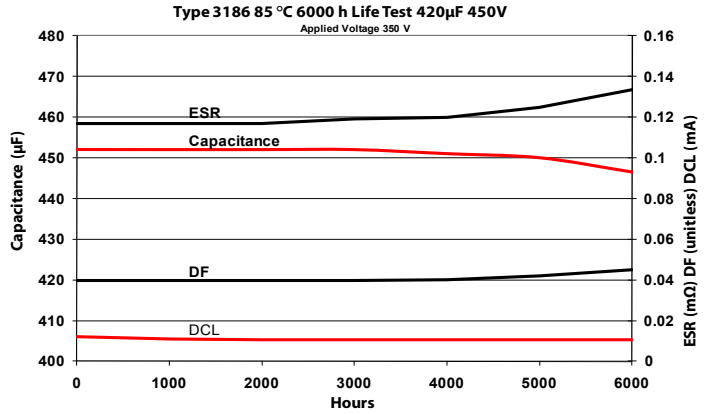
## Best Value 85 °C High Capacitance Screw Terminal Type

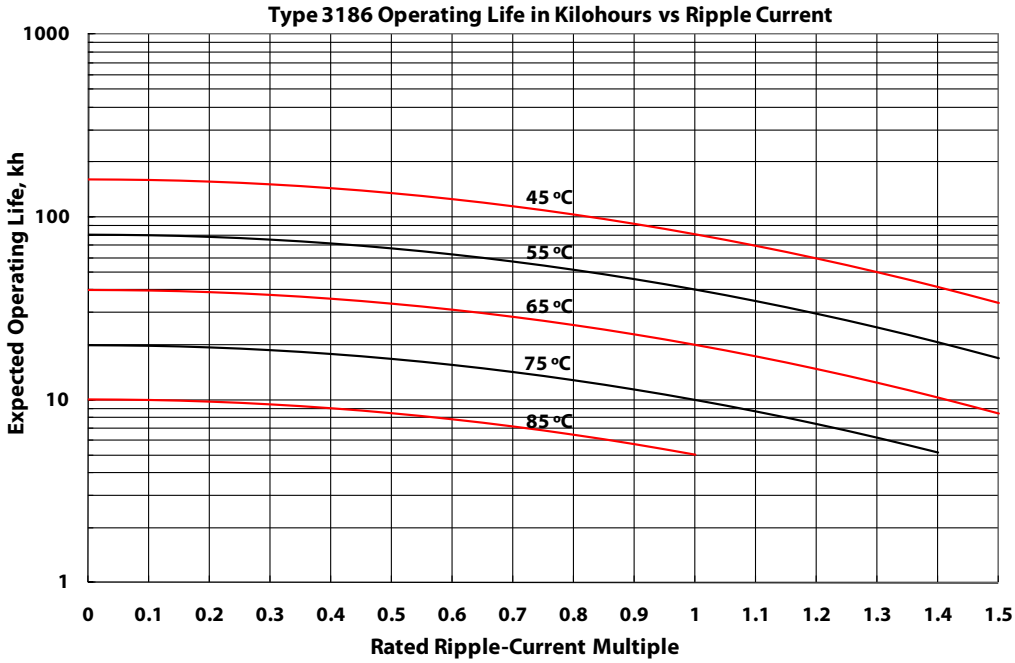
## Typical Performance Curves



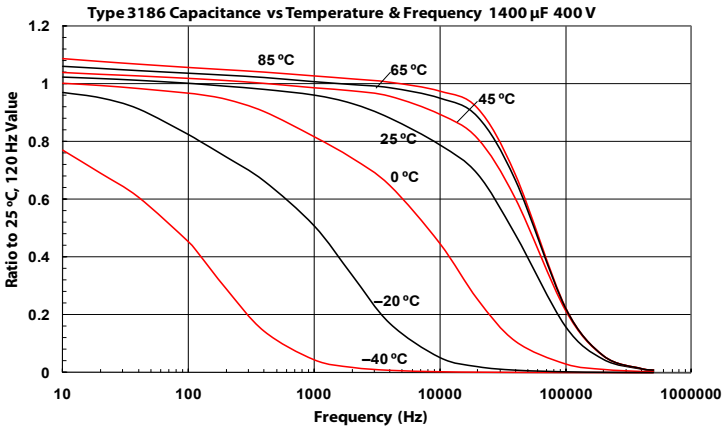



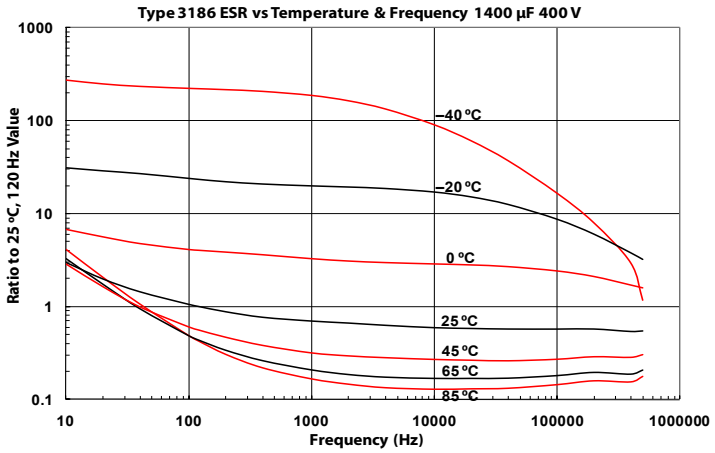



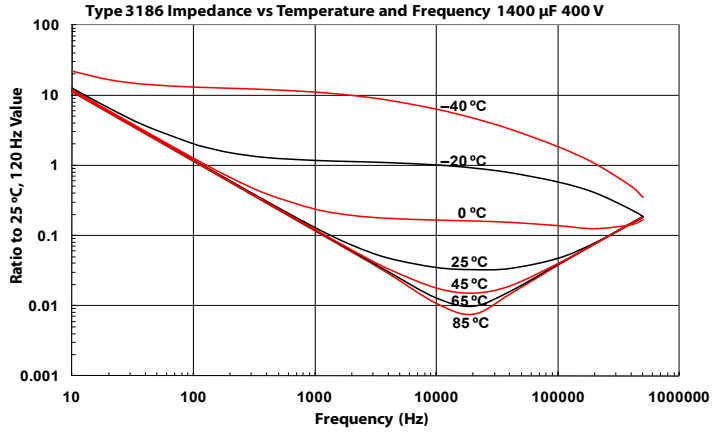
# Type 3186 85 °C Aluminum Electrolytic, Screw Terminal

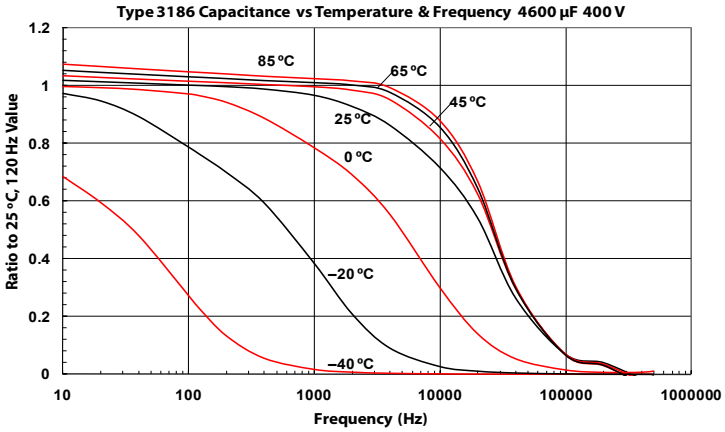
## Best Value 85 °C High Capacitance Screw Terminal Type

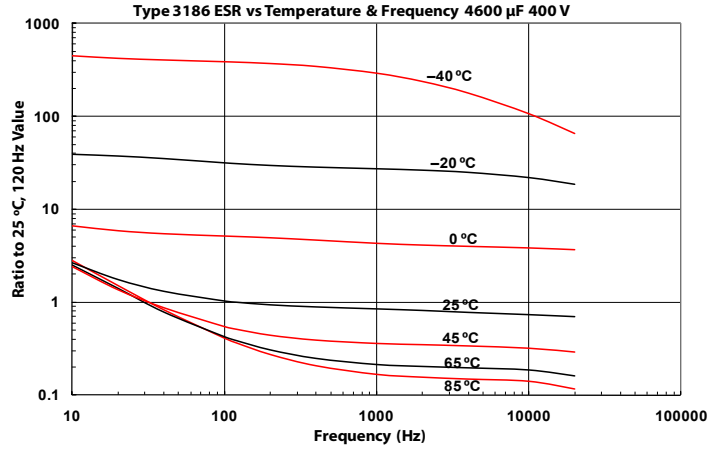
## Typical Performance Curves

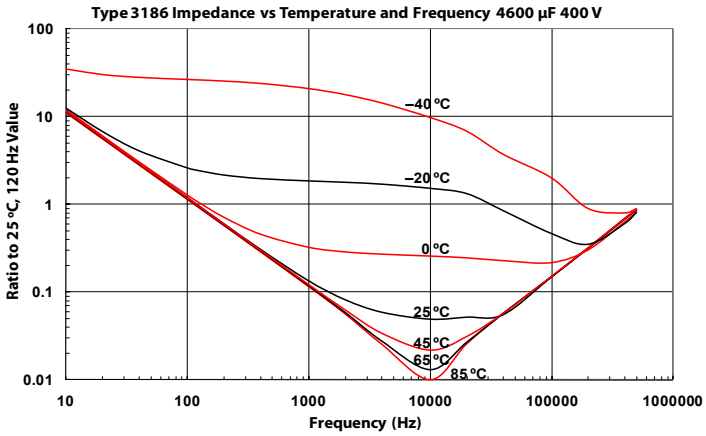


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