

Aluminum Capacitors + 85 °C, Miniature, Axial Lead



Fig.1 Component outlines

FEATURES

- Low leakage current
- Long shelf life
- Ideal for application in TV sets, auto radios, radio-phone combinations, electronic testing equipment



| QUICK REFERENCE DATA | |
|---|--------------------------------------|
| DESCRIPTION | VALUE |
| Nominal case size Ø D x L in mm | 6.350 x 12.700 to 34.925 x 92.075 |
| Operating temperature | |
| 6 WVDC to 100 WVDC | - 40 °C to + 85 °C |
| 101 WVDC to 475 WVDC | - 20 °C to + 85 °C |
| 500 WVDC and higher | 20 °C to + 65 °C |
| Rated Capacitance range, C _R | 1 µF to 15 000 µF |

ORDERING EXAMPLE (1)

Order by Distribution part no. Example: TVA1318.7

Note (1) For lead (Pb)-free/RoHS compliant products add the suffix “-E3” to the part no. Example: TVA1318.7-E3

| DIMENSIONS in inches [millimeters] | | | | | |
|------------------------------------|----------------|----------------|-----------|----------------|-----------------|
| CASE CODE | D | L | CASE CODE | D | L |
| BA | 0.250 [6.350] | 0.500 [12.700] | FJ | 0.625 [15.875] | 1.625 [41.275] |
| BB | 0.250 [6.350] | 0.687 [17.450] | FK | 0.485 [12.319] | 1.750 [44.450] |
| CB | 0.312 [7.925] | 0.687 [17.450] | GE | 0.750 [19.050] | 1.125 [28.575] |
| CC | 0.312 [7.925] | 0.812 [20.625] | GG | 0.750 [19.050] | 1.375 [34.925] |
| DC | 0.375 [9.525] | 0.812 [20.625] | GH | 0.625 [15.875] | 1.500 [38.100] |
| DD | 0.375 [9.525] | 0.937 [23.800] | GL | 0.750 [19.050] | 2.125 [53.975] |
| DF | 0.375 [9.525] | 1.250 [31.750] | GK | 0.625 [15.875] | 1.750 [44.450] |
| DH | 0.375 [9.525] | 1.500 [38.100] | GJ | 0.750 [19.050] | 1.625 [41.275] |
| EE | 0.500 [12.700] | 1.125 [28.575] | HG | 0.875 [22.225] | 1.375 [34.925] |
| EF | 0.438 [11.125] | 1.250 [31.750] | HJ | 0.875 [22.225] | 1.625 [41.275] |
| EG | 0.500 [12.700] | 1.375 [34.925] | HK | 0.875 [22.225] | 1.875 [47.625] |
| EH | 0.438 [11.125] | 1.500 [38.100] | HL | 0.875 [22.225] | 2.125 [53.975] |
| EJ | 0.500 [12.700] | 1.625 [41.275] | JB | 1.0 [25.4] | 3.375 [85.725] |
| FG | 0.625 [15.875] | 1.375 [34.925] | JJ | 1.0 [25.4] | 1.625 [41.275] |
| FH | 0.485 [12.319] | 1.500 [38.100] | JK | 1.0 [25.4] | 1.875 [47.625] |
| JL | 1.0 [25.4] | 2.125 [53.975] | KP | 1.125 [28.575] | 2.625 [66.675] |
| JN | 1.0 [25.4] | 2.375 [60.325] | KS | 1.125 [28.575] | 3.125 [79.375] |
| JP | 1.0 [25.4] | 2.625 [66.675] | LP | 1.250 [31.750] | 2.625 [66.675] |
| JR | 1.0 [25.4] | 2.875 [73.025] | LS | 1.250 [31.750] | 3.125 [79.375] |
| JS | 1.0 [25.4] | 3.125 [79.375] | LT | 1.250 [31.750] | 3.625 [92.075] |
| JU | 1.0 [25.4] | 3.625 [92.075] | MD | 1.375 [34.925] | 4.125 [104.775] |
| JW | 1.0 [25.4] | 3.875 [98.425] | MN | 1.375 [34.925] | 2.375 [60.325] |
| KL | 1.125 [28.575] | 2.125 [53.975] | MS | 1.375 [34.925] | 3.125 [79.375] |
| KN | 1.125 [28.575] | 2.375 [60.325] | MT | 1.375 [34.925] | 3.625 [92.075] |



| ELECTRICAL DATA AND ORDERING INFORMATION | | | |
|---|-------------|----------------------|-----------------------------------|
| CAPACITANCE (µF) | WVDC | CASE CODE | PART NUMBER ⁽¹⁾ |
| SINGLE UNITS (POLARIZED) | | | |
| 200.0 | 6 | CB | TVA1101.7 |
| 5000.0 | 10 | GK | TVA1129.5 |
| 25.0 | 16 | BA | TVA1148 |
| 50.0 | 16 | BB | TVA1150 |
| 100.0 | 16 | CB | TVA1160 |
| 200.0 | 16 | CC | TVA1160.6 |
| 250.0 | 16 | DC | TVA1161 |
| 500.0 | 16 | DD | TVA1162 |
| 600.0 | 16 | DF | TVA1162.2 |
| 800.0 | 16 | DF | TVA1162.3 |
| 1000.0 | 16 | DH | TVA1163 |
| 1200.0 | 16 | EH | TVA1164 |
| 1500.0 | 16 | EH | TVA1175.2 |
| 2000.0 | 16 | FK | TVA1170 |
| 3000.0 | 16 | GH | TVA1175 |
| 5000.0 | 16 | JL | TVA1175.5 |
| 10 000.0 | 16 | LP | TVA1175.8 |
| 10.0 | 25 | BA | TVA1204 |
| 25.0 | 25 | BA | TVA1205 |
| 50.0 | 25 | BB | TVA1206 |
| 75.0 | 25 | CB | TVA1206.1 |
| 100.0 | 25 | CC | TVA1207 |
| 150.0 | 25 | DC | TVA1207.5 |
| 200.0 | 25 | DC | TVA1207.7 |
| 250.0 | 25 | DD | TVA1208 |
| 500.0 | 25 | EF | TVA1209 |
| 1000.0 | 25 | FH | TVA1211 |
| 1500.0 | 25 | GH | TVA1212 |
| 2000.0 | 25 | GK | TVA1213 |
| 2500.0 | 25 | JK | TVA1213.5 |
| 5000.0 | 25 | KP | TVA1214.5 |
| 500.0 | 35 | EH | TVA1227 |
| 5500.0 | 35 | JB | TVA1229 |
| 1.0 | 50 | BA | TVA1300 |
| 2.0 | 50 | BA | TVA1301 |
| 5.0 | 50 | BA | TVA1303 |
| 5.0 | 50 | BA | TVA1303.1 |
| 10.0 | 50 | BA | TVA1304 |
| 15.0 | 50 | BB | TVA1305 |
| 20.0 | 50 | BB | TVA1305.5 |
| 25.0 | 50 | BB | TVA1306 |
| 40.0 | 50 | CC | TVA1306.5 |
| 50.0 | 50 | CC | TVA1308 |
| 75.0 | 50 | DC | TVA1309.4 |
| 100.0 | 50 | DC | TVA1310 |
| 150.0 | 50 | DD | TVA1311 |
| 200.0 | 50 | DF | TVA1311.5 |
| 250.0 | 50 | DH | TVA1312 |
| 300.0 | 50 | EF | TVA1312.1 |
| 400.0 | 50 | FH | TVA1313 |
| 500.0 | 50 | FH | TVA1315 |
| 600.0 | 50 | GH | TVA1315.2 |
| 1000.0 | 50 | GK | TVA1316 |
| 1500.0 | 50 | HL | TVA1318 |
| 2000.0 | 50 | KL | TVA1318.2 |
| 2500.0 | 50 | KP | TVA1318.3 |
| 3000.0 | 50 | LP | TVA1318.4 |
| 5000.0 | 50 | MS | TVA1318.7 |
| 1.0 | 63 | BA | TVA1319.10 |
| 10.0 | 100 | CB | TVA1337 |

Note

⁽¹⁾ For other capacitance and voltage ratings, please see Types 500D and 53D.



| ELECTRICAL DATA AND ORDERING INFORMATION | | | |
|---|-------------|----------------------|-----------------------------------|
| CAPACITANCE (μF) | WVDC | CASE CODE | PART NUMBER ⁽¹⁾ |
| SINGLE UNITS (POLARIZED) | | | |
| 50.0 | 100 | DF | TVA1343 |
| 100.0 | 100 | EH | TVA1346 |
| 250.0 | 100 | GK | TVA1349 |
| 500.0 | 100 | KL | TVA1376 |
| 1.0 | 150 | BA | TVA1400 |
| 2.0 | 150 | BB | TVA1400.1 |
| 4.0 | 150 | CC | TVA1402 |
| 5.0 | 150 | CC | TVA1403 |
| 8.0 | 150 | DC | TVA1405 |
| 10.0 | 150 | DC | TVA1406 |
| 16.0 | 150 | DD | TVA1409 |
| 20.0 | 150 | DF | TVA1410 |
| 25.0 | 150 | DF | TVA1411 |
| 30.0 | 150 | EF | TVA1412 |
| 40.0 | 150 | EH | TVA1413 |
| 50.0 | 150 | EH | TVA1414 |
| 80.0 | 150 | GK | TVA1418 |
| 100.0 | 150 | GK | TVA1420 |
| 150.0 | 150 | HL | TVA1422 |
| 200.0 | 150 | JL | TVA1423 |
| 300.0 | 150 | KP | TVA1425 |
| 3.0 | 200 | CC | TVA1436 |
| 5.0 | 200 | DC | TVA1438 |
| 10.0 | 200 | DD | TVA1441 |
| 20.0 | 200 | EF | TVA1442.1 |
| 100.0 | 200 | HL | TVA1445 |
| 4.0 | 250 | DC | TVA1501 |
| 10.0 | 250 | DF | TVA1504 |
| 12.0 | 250 | EF | TVA1505 |
| 20.0 | 250 | EH | TVA1508 |
| 30.0 | 250 | GH | TVA1510 |
| 40.0 | 250 | GK | TVA1511 |
| 50.0 | 250 | HG | TVA1512 |
| 60.0 | 250 | HJ | TVA1513 |
| 100.0 | 250 | JK | TVA1522 |
| 1.0 | 300 | CB | TVA1540 |
| 3.0 | 350 | DD | TVA1600.1 |
| 4.0 | 350 | DF | TVA1601 |
| 5.0 | 350 | DF | TVA1602.5 |
| 8.0 | 350 | EH | TVA1603 |
| 10.0 | 350 | EH | TVA1604 |
| 15.0 | 350 | FK | TVA1607 |
| 20.0 | 350 | GK | TVA1608 |
| 60.0 | 350 | HL | TVA1613 |
| 100.0 | 350 | JP | TVA1620 |
| 1.0 | 450 | DC | TVA1700 |
| 2.0 | 450 | DF | TVA1701 |
| 4.0 | 450 | EH | TVA1702 |
| 5.0 | 450 | EH | TVA1703 |
| 8.0 | 450 | FK | TVA1704 |
| 10.0 | 450 | GK | TVA1705 |
| 12.0 | 450 | GK | TVA1706 |
| 20.0 | 450 | HJ | TVA1709 |
| 30.0 | 450 | HK | TVA1711 |
| 40.0 | 450 | HL | TVA1712 |
| 50.0 | 450 | KL | TVA1713 |
| 100.0 | 450 | LS | TVA1718 |
| 60.0 | 450 | KL | TVA1714 |
| 80.0 | 450 | JP | TVA1716 |
| 20.0 | 500 | HL | TVA1906 |
| 16.0 | 475 | HJ | TVA1803.1 |
| 40.0 | 500 | JN | TVA1908 |
| 10.0 | 600 | JR | TVA1963 |
| 20.0 | 600 | JW | TVA1966 |
| 30.0 | 500 | JJ | TVA1907 |

Note

⁽¹⁾ For other capacitance and voltage ratings, please see Types 500D and 53D.



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+ 85 °C, Miniature, Axial Lead

| ELECTRICAL DATA AND ORDERING INFORMATION | | | |
|---|-------------|----------------------|-----------------------------------|
| CAPACITANCE (μF) | WVDC | CASE CODE | PART NUMBER ⁽¹⁾ |
| NON-POLARIZED | | | |
| 50.0 | 10 | CB | TVAN1117 |
| 10.0 | 25 | BB | TVAN1204.1 |
| 16.0 | 25 | BB | TVAN1204.3 |
| 25.0 | 25 | CB | TVAN1205.1 |
| 50.0 | 25 | CC | TVAN1206.1 |
| 100.0 | 25 | DD | TVAN1207.1 |
| 20.0 | 30 | CB | TVAN1220 |
| 2.0 | 50 | BA | TVAN1301.1 |
| 3.0 | 50 | BA | TVAN1302.1 |
| 5.0 | 50 | BB | TVAN1303.1 |
| 8.0 | 50 | BB | TVAN1303.4 |
| 10.0 | 50 | CB | TVAN1304.1 |
| 25.0 | 50 | DC | TVAN1306.1 |
| 50.0 | 50 | DD | TVAN1308.1 |
| 100.0 | 50 | DH | TVAN1310.1 |
| 10.0 | 100 | EJ | TVAN1333 |
| 20.0 | 100 | FJ | TVAN1335 |
| 60.0 | 200 | JP | TVAN1440 |
| 1.0 | 300 | EG | TVAN1560 |
| 5.0 | 350 | GJ | TVAN1602 |
| 20.0 | 400 | JL | TVAN1652 |

Note

⁽¹⁾ For other capacitance and voltage ratings, please see Types 500D and 53D.



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