

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.



Aluminum Capacitors
+ 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.



Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9