



## DESIGN KIT

# WCAP-ATUL Aluminum Electrolytic Capacitors

Radial THT – 5000 h up to 10000 h @ 105 °C



### TECHNICAL DATA:

|                |                       |
|----------------|-----------------------|
| C:             | 27 – 1500 $\mu$ F     |
| $U_R$ :        | 63 – 100 $V_{DC}$     |
| $I_{ripple}$ : | 260 – 3200 mA         |
| D x L:         | 6.3 x 11 – 18 x 41 mm |
| Pitch:         | 2.5 – 7.5 mm          |

**Order Code 860 042**

**Version 1.0**

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## WCAP-ATUL Aluminum Electrolytic Capacitors

Radial THT – 5000 h up to 10000 h @ 105 °C



|  |   |   |   |   |   |   |
|--|---|---|---|---|---|---|
| <b>860 040 773 001</b> <b>63 V</b><br>ATDD110330M063DSPA4E000<br><b>C:</b> <b>33 µF</b><br>I <sub>ripple</sub> : 260 mA<br>D x L / Pitch: 6.3 x 11 / 2.5 mm  | <b>860 040 774 002</b> <b>63 V</b><br>ATDE115470M063DSPA7G000<br><b>C:</b> <b>47 µF</b><br>I <sub>ripple</sub> : 360 mA<br>D x L / Pitch: 8 x 11.5 / 3.5 mm   | <b>860 040 774 003</b> <b>63 V</b><br>ATDE115560M063DSPA7G000<br><b>C:</b> <b>56 µF</b><br>I <sub>ripple</sub> : 380 mA<br>D x L / Pitch: 8 x 11.5 / 3.5 mm   | <b>860 040 774 004</b> <b>63 V</b><br>ATDE160820M063DSPA7G000<br><b>C:</b> <b>82 µF</b><br>I <sub>ripple</sub> : 460 mA<br>D x L / Pitch: 8 x 16 / 3.5 mm     | <b>860 040 775 005</b> <b>63 V</b><br>ATDF125820M063DSPA9G000<br><b>C:</b> <b>82 µF</b><br>I <sub>ripple</sub> : 500 mA<br>D x L / Pitch: 10 x 12.5 / 5 mm    | <b>860 040 775 006</b> <b>63 V</b><br>ATDF125101M063DSPA9G000<br><b>C:</b> <b>100 µF</b><br>I <sub>ripple</sub> : 640 mA<br>D x L / Pitch: 10 x 12.5 / 5 mm   | <b>860 040 774 007</b> <b>63 V</b><br>ATDE200121M063DSPA7G000<br><b>C:</b> <b>120 µF</b><br>I <sub>ripple</sub> : 700 mA<br>D x L / Pitch: 8 x 20 / 3.5 mm    |
| <b>860 040 775 008</b> <b>63 V</b><br>ATDF160121M063DSPAAG000<br><b>C:</b> <b>120 µF</b><br>I <sub>ripple</sub> : 760 mA<br>D x L / Pitch: 10 x 16 / 5 mm    | <b>860 040 775 009</b> <b>63 V</b><br>ATDF200181M063DSPAAG000<br><b>C:</b> <b>180 µF</b><br>I <sub>ripple</sub> : 880 mA<br>D x L / Pitch: 10 x 20 / 5 mm     | <b>860 040 775 010</b> <b>63 V</b><br>ATDF250221M063DSPAAG000<br><b>C:</b> <b>220 µF</b><br>I <sub>ripple</sub> : 1100 mA<br>D x L / Pitch: 10 x 25 / 5 mm    | <b>860 040 778 011</b> <b>63 V</b><br>ATDI200271M063DSPA000<br><b>C:</b> <b>270 µF</b><br>I <sub>ripple</sub> : 1200 mA<br>D x L / Pitch: 13 x 20 / 5 mm      | <b>860 040 778 012</b> <b>63 V</b><br>ATDI250331M063DSPA000<br><b>C:</b> <b>330 µF</b><br>I <sub>ripple</sub> : 1600 mA<br>D x L / Pitch: 13 x 25 / 5 mm      | <b>860 040 778 013</b> <b>63 V</b><br>ATDI300471M063DSPA000<br><b>C:</b> <b>470 µF</b><br>I <sub>ripple</sub> : 1800 mA<br>D x L / Pitch: 13 x 30 / 5 mm      | <b>860 040 780 014</b> <b>63 V</b><br>ATDK250561M063DSPA000<br><b>C:</b> <b>560 µF</b><br>I <sub>ripple</sub> : 2000 mA<br>D x L / Pitch: 16 x 25 / 7.5 mm    |
| <b>860 040 778 015</b> <b>63 V</b><br>ATDI400681M063DSPA4K000<br><b>C:</b> <b>680 µF</b><br>I <sub>ripple</sub> : 2200 mA<br>D x L / Pitch: 13 x 40 / 5 mm   | <b>860 040 780 016</b> <b>63 V</b><br>ATDK315821M063DSPA000<br><b>C:</b> <b>820 µF</b><br>I <sub>ripple</sub> : 2400 mA<br>D x L / Pitch: 16 x 31.5 / 7.5 mm  | <b>860 040 780 017</b> <b>63 V</b><br>ATDK355102M063DSPA000<br><b>C:</b> <b>1000 µF</b><br>I <sub>ripple</sub> : 2500 mA<br>D x L / Pitch: 16 x 35.5 / 7.5 mm | <b>860 040 781 018</b> <b>63 V</b><br>ATDL315102M063DSPA000<br><b>C:</b> <b>1000 µF</b><br>I <sub>ripple</sub> : 2800 mA<br>D x L / Pitch: 18 x 31.5 / 7.5 mm | <b>860 040 780 019</b> <b>63 V</b><br>ATDK410122M063DSPA3K000<br><b>C:</b> <b>1200 µF</b><br>I <sub>ripple</sub> : 2920 mA<br>D x L / Pitch: 16 x 41 / 7.5 mm | <b>860 040 781 020</b> <b>63 V</b><br>ATDL355122M063DSPA000<br><b>C:</b> <b>1200 µF</b><br>I <sub>ripple</sub> : 3000 mA<br>D x L / Pitch: 18 x 35.5 / 7.5 mm | <b>860 040 781 021</b> <b>63 V</b><br>ATDL410152M063DSPA1K000<br><b>C:</b> <b>1500 µF</b><br>I <sub>ripple</sub> : 3200 mA<br>D x L / Pitch: 18 x 41 / 7.5 mm |
| <b>860 040 874 001</b> <b>100 V</b><br>ATDE115270M100DSPA7G000<br><b>C:</b> <b>27 µF</b><br>I <sub>ripple</sub> : 300 mA<br>D x L / Pitch: 8 x 11.5 / 3.5 mm | <b>860 040 875 002</b> <b>100 V</b><br>ATDF125470M100DSPA9G000<br><b>C:</b> <b>47 µF</b><br>I <sub>ripple</sub> : 400 mA<br>D x L / Pitch: 10 x 12.5 / 5 mm   | <b>860 040 875 003</b> <b>100 V</b><br>ATDF160680M100DSPAAG000<br><b>C:</b> <b>68 µF</b><br>I <sub>ripple</sub> : 460 mA<br>D x L / Pitch: 10 x 16 / 5 mm     | <b>860 040 875 004</b> <b>100 V</b><br>ATDF200820M100DSPAAG000<br><b>C:</b> <b>82 µF</b><br>I <sub>ripple</sub> : 600 mA<br>D x L / Pitch: 10 x 20 / 5 mm     | <b>860 040 875 005</b> <b>100 V</b><br>ATDF250101M100DSPAAG000<br><b>C:</b> <b>100 µF</b><br>I <sub>ripple</sub> : 800 mA<br>D x L / Pitch: 10 x 25 / 5 mm    | <b>860 040 878 006</b> <b>100 V</b><br>ATDI200121M100DSPA000<br><b>C:</b> <b>120 µF</b><br>I <sub>ripple</sub> : 900 mA<br>D x L / Pitch: 13 x 20 / 5 mm      | <b>860 040 880 007</b> <b>100 V</b><br>ATDK250271M100DSPA000<br><b>C:</b> <b>270 µF</b><br>I <sub>ripple</sub> : 1480 mA<br>D x L / Pitch: 16 x 25 / 7.5 mm   |
| <b>860 040 878 008</b> <b>100 V</b><br>ATDI400331M100DSPA4K000<br><b>C:</b> <b>330 µF</b><br>I <sub>ripple</sub> : 1600 mA<br>D x L / Pitch: 13 x 40 / 5 mm  | <b>860 040 880 009</b> <b>100 V</b><br>ATDK315391M100DSPA000<br><b>C:</b> <b>390 µF</b><br>I <sub>ripple</sub> : 1700 mA<br>D x L / Pitch: 16 x 31.5 / 7.5 mm | <b>860 040 881 010</b> <b>100 V</b><br>ATDL250391M100DSPA000<br><b>C:</b> <b>390 µF</b><br>I <sub>ripple</sub> : 1740 mA<br>D x L / Pitch: 18 x 25 / 7.5 mm   | <b>860 040 880 011</b> <b>100 V</b><br>ATDK355471M100DSPA000<br><b>C:</b> <b>470 µF</b><br>I <sub>ripple</sub> : 1880 mA<br>D x L / Pitch: 16 x 35.5 / 7.5 mm | <b>860 040 881 012</b> <b>100 V</b><br>ATDL315471M100DSPA000<br><b>C:</b> <b>470 µF</b><br>I <sub>ripple</sub> : 1600 mA<br>D x L / Pitch: 18 x 31.5 / 7.5 mm | <b>860 040 881 013</b> <b>100 V</b><br>ATDL355681M100DSPA000<br><b>C:</b> <b>680 µF</b><br>I <sub>ripple</sub> : 1720 mA<br>D x L / Pitch: 18 x 35.5 / 7.5 mm | <b>860 040 881 014</b> <b>100 V</b><br>ATDL410821M100DSPA1K000<br><b>C:</b> <b>820 µF</b><br>I <sub>ripple</sub> : 2340 mA<br>D x L / Pitch: 18 x 41 / 7.5 mm |

### TECHNICAL DATA:

Capacitance Tolerance: ±20 %  
 Temperature Range: -40 °C / +105 °C  
 I<sub>ripple</sub>: Max. Values @ 100 kHz / +105 °C  
 Endurance: 5000 h up to  
 10000 h @ +105 °C,  
 max. I<sub>ripple</sub> applied



### DC Voltage Rating

|       |
|-------|
| 63 V  |
| 100 V |

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