



# DESIGN KIT

## WCAP-PTHT Aluminum Polymer Capacitors

Radial THT – 2000h @ 125°C



### TECHNICAL DATA:

|                |                          |
|----------------|--------------------------|
| C:             | 100 – 2000 µF            |
| $U_R$ :        | 6.3 – 16 V <sub>DC</sub> |
| $I_{ripple}$ : | 1518 – 2100 mA           |
| D x L:         | 6.3 x 11 – 10 x 12.5 mm  |
| Pitch:         | 2.5 – 5 mm               |

Order Code 870 135

Version 1.0

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## WCAP-PTHT Aluminum Polymer Capacitors

Radial THT – 2000h @ 125°C



|                                     |                                     |                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>870 135 174 003</b> <b>6.3 V</b> | <b>870 135 174 004</b> <b>6.3 V</b> | <b>870 135 174 005</b> <b>6.3 V</b> | <b>870 135 174 006</b> <b>6.3 V</b> | <b>870 135 175 007</b> <b>6.3 V</b> |
| PTKE080561M6R3DSPA7B000             | PTKE080681M6R3DSPA7B000             | PTKE115821M6R3DSPA7B000             | PTKE115102M6R3DSPA7B000             | PTKF125122M6R3DSPA9B000             |
| <b>C:</b> <b>560 µF</b>             | <b>C:</b> <b>680 µF</b>             | <b>C:</b> <b>820 µF</b>             | <b>C:</b> <b>1000 µF</b>            | <b>C:</b> <b>1200 µF</b>            |
| $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 2100 mA       |
| D x L / Pitch: 8 x 8 / 3.5 mm       | D x L / Pitch: 8 x 8 / 3.5 mm       | D x L / Pitch: 8 x 11.5 / 3.5 mm    | D x L / Pitch: 8 x 11.5 / 3.5 mm    | D x L / Pitch: 10 x 12.5 / 5 mm     |
| <b>870 135 175 008</b> <b>6.3 V</b> | <b>870 135 175 009</b> <b>6.3 V</b> | <b>870 135 373 001</b> <b>16 V</b>  | <b>870 135 374 002</b> <b>16 V</b>  | <b>870 135 374 003</b> <b>16 V</b>  |
| PTKF125152M6R3DSPA9B000             | PTKF125202M6R3DSPA9B000             | PTKD110101M016DSPA4B000             | PTKE115181M016DSPA7B000             | PTKE115221M016DSPA7B000             |
| <b>C:</b> <b>1500 µF</b>            | <b>C:</b> <b>2000 µF</b>            | <b>C:</b> <b>100 µF</b>             | <b>C:</b> <b>180 µF</b>             | <b>C:</b> <b>220 µF</b>             |
| $I_{\text{ripple}}$ : 2100 mA       | $I_{\text{ripple}}$ : 2100 mA       | $I_{\text{ripple}}$ : 1518 mA       | $I_{\text{ripple}}$ : 1771 mA       | $I_{\text{ripple}}$ : 1771 mA       |
| D x L / Pitch: 10 x 12.5 / 5 mm     | D x L / Pitch: 10 x 12.5 / 5 mm     | D x L / Pitch: 6.3 x 11 / 2.5 mm    | D x L / Pitch: 8 x 11.5 / 3.5 mm    | D x L / Pitch: 8 x 11.5 / 3.5 mm    |
| <b>870 135 374 004</b> <b>16 V</b>  | <b>870 135 374 005</b> <b>16 V</b>  | <b>870 135 375 006</b> <b>16 V</b>  | <b>870 135 375 007</b> <b>16 V</b>  | <b>870 135 375 008</b> <b>16 V</b>  |
| PTKE115271M016DSPA7B000             | PTKE115331M016DSPA7B000             | PTKF125391M016DSPA9B000             | PTKF125471M016DSPA9B000             | PTKF125561M016DSPA9B000             |
| <b>C:</b> <b>270 µF</b>             | <b>C:</b> <b>330 µF</b>             | <b>C:</b> <b>390 µF</b>             | <b>C:</b> <b>470 µF</b>             | <b>C:</b> <b>560 µF</b>             |
| $I_{\text{ripple}}$ : 1771 mA       | $I_{\text{ripple}}$ : 1771 mA       | $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 1929 mA       | $I_{\text{ripple}}$ : 1929 mA       |
| D x L / Pitch: 8 x 11.5 / 3.5 mm    | D x L / Pitch: 8 x 11.5 / 3.5 mm    | D x L / Pitch: 10 x 12.5 / 5 mm     | D x L / Pitch: 10 x 12.5 / 5 mm     | D x L / Pitch: 10 x 12.5 / 5 mm     |

### TECHNICAL DATA:

Capacitance Tolerance:  $\pm 20\%$   
 Temperature Range:  $-55^{\circ}\text{C} / +125^{\circ}\text{C}$   
 $I_{\text{ripple}}$ : Max. Values @ 100kHz /  $125^{\circ}\text{C}$   
 Endurance: 2000h @  $125^{\circ}\text{C}$ ,  
 max.  $I_{\text{ripple}}$  applied



### DC Voltage Rating

|              |
|--------------|
| <b>6.3 V</b> |
| <b>16 V</b>  |

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