



# 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

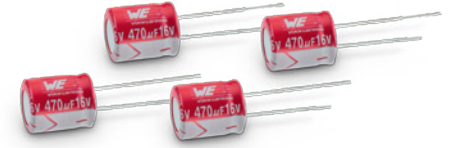
Order Code 870 135

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>

EMC COMPONENTS | INDUCTORS | TRANSFORMERS | RF COMPONENTS | CIRCUIT PROTECTION | EMC SHIELDING MATERIAL | LEDs | CONNECTORS | SWITCHES | ASSEMBLY TECHNIQUE | POWER ELEMENTS | **CAPACITORS**

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